

A Redgate Publication

Summer 1985 \$5.00

# The Macintosh

## Buyer's Guide

**More than 650 products listed:**  
Software, Peripherals, and  
Accessories

**Software Reviews:**  
ExperLogo, Factfinder, MacLion,  
QuickSet, ThinkTank 512,  
and The Home Accountant





# The Intelligent Ch

## REPORTS MENU

INCOME STATEMENT - BALANCE SHEET  
TRIAL BALANCE - CHECK REGISTER  
DEPARTMENTAL INCOME STATEMENT  
DAILY CASH - ACCOUNT HISTORY  
GENERAL LEDGER  
ACCOUNTS RECEIVABLE  
ACCOUNTS PAYABLE  
FINANCIAL RATIOS

## ENTRY JOURNALS

PURCHASES / ACCOUNTS PAYABLE  
SALES / ACCOUNTS RECEIVABLE  
CASH IN BANK / DISBURSEMENTS  
CASH IN BANK / RECEIPTS  
NON CASH JOURNAL

File Edit Functions Reports

Income Statement  
Audio/Video Demo Co.  
For 2 months ending 3/15/1985

Net Operating Revenues	134200 00	Percent	100 00
Cost of Goods Sold	97800 00		72 87
Total Cost of Goods Sold	97800 00		72 87
Gross Profit	36400 00		27 12
General and Administrative Expenses	30 00		0 02
	30 00		0 02
			0 14

File Edit Functions Reports Month

Account History  
Audio/Video Demo Co.  
Cash in Bank - USB  
For the month of Mar. 1985

Date	Net Amt of Check	Paid to/Description	Check #	Account #	Amount	Total in Batch
03/20	85 00	Speedy Truck Deliveries	5087/02	150 00	150 00	150 00
03/25	450 00	Speedy Truck Deliveries	5087/03	150 00	150 00	150 00
03/25	410 25	UPS/Mail Package	5087/04	150 00	150 00	150 00
03/25	200 00	COE Co. / Utilities	5090	150 00	150 00	150 00
03/26	56 88	Hercules/Car Insurance	5090	150 00	150 00	150 00
	200 00	Westside Supplies/Point	5090	150 00	150 00	150 00
		BORNSUPER INC - LAST Pmt	5090	150 00	150 00	150 00

Audio/Video Demo Co.  
Trial Balance  
3/23/1985

Account	Debit	Credit
1000 Cash in Bank	118700 00	
1010 Cash in Bank	118700 00	
1020 Cash in Bank	118700 00	
1030 Cash in Bank	118700 00	
1040 Cash in Bank	118700 00	
1050 Cash in Bank	118700 00	
1060 Cash in Bank	118700 00	
1070 Cash in Bank	118700 00	
1080 Cash in Bank	118700 00	
1090 Cash in Bank	118700 00	
1100 Cash in Bank	118700 00	
1110 Cash in Bank	118700 00	
1120 Cash in Bank	118700 00	
1130 Cash in Bank	118700 00	
1140 Cash in Bank	118700 00	
1150 Cash in Bank	118700 00	
1160 Cash in Bank	118700 00	
1170 Cash in Bank	118700 00	
1180 Cash in Bank	118700 00	
1190 Cash in Bank	118700 00	
1200 Cash in Bank	118700 00	
1210 Cash in Bank	118700 00	
1220 Cash in Bank	118700 00	
1230 Cash in Bank	118700 00	
1240 Cash in Bank	118700 00	
1250 Cash in Bank	118700 00	
1260 Cash in Bank	118700 00	
1270 Cash in Bank	118700 00	
1280 Cash in Bank	118700 00	
1290 Cash in Bank	118700 00	
1300 Cash in Bank	118700 00	
1310 Cash in Bank	118700 00	
1320 Cash in Bank	118700 00	
1330 Cash in Bank	118700 00	
1340 Cash in Bank	118700 00	
1350 Cash in Bank	118700 00	
1360 Cash in Bank	118700 00	
1370 Cash in Bank	118700 00	
1380 Cash in Bank	118700 00	
1390 Cash in Bank	118700 00	
1400 Cash in Bank	118700 00	
1410 Cash in Bank	118700 00	
1420 Cash in Bank	118700 00	
1430 Cash in Bank	118700 00	
1440 Cash in Bank	118700 00	
1450 Cash in Bank	118700 00	
1460 Cash in Bank	118700 00	
1470 Cash in Bank	118700 00	
1480 Cash in Bank	118700 00	
1490 Cash in Bank	118700 00	
1500 Cash in Bank	118700 00	
1510 Cash in Bank	118700 00	
1520 Cash in Bank	118700 00	
1530 Cash in Bank	118700 00	
1540 Cash in Bank	118700 00	
1550 Cash in Bank	118700 00	
1560 Cash in Bank	118700 00	
1570 Cash in Bank	118700 00	
1580 Cash in Bank	118700 00	
1590 Cash in Bank	118700 00	
1600 Cash in Bank	118700 00	
1610 Cash in Bank	118700 00	
1620 Cash in Bank	118700 00	
1630 Cash in Bank	118700 00	
1640 Cash in Bank	118700 00	
1650 Cash in Bank	118700 00	
1660 Cash in Bank	118700 00	
1670 Cash in Bank	118700 00	
1680 Cash in Bank	118700 00	
1690 Cash in Bank	118700 00	
1700 Cash in Bank	118700 00	
1710 Cash in Bank	118700 00	
1720 Cash in Bank	118700 00	
1730 Cash in Bank	118700 00	
1740 Cash in Bank	118700 00	
1750 Cash in Bank	118700 00	
1760 Cash in Bank	118700 00	
1770 Cash in Bank	118700 00	
1780 Cash in Bank	118700 00	
1790 Cash in Bank	118700 00	
1800 Cash in Bank	118700 00	
1810 Cash in Bank	118700 00	
1820 Cash in Bank	118700 00	
1830 Cash in Bank	118700 00	
1840 Cash in Bank	118700 00	
1850 Cash in Bank	118700 00	
1860 Cash in Bank	118700 00	
1870 Cash in Bank	118700 00	
1880 Cash in Bank	118700 00	
1890 Cash in Bank	118700 00	
1900 Cash in Bank	118700 00	
1910 Cash in Bank	118700 00	
1920 Cash in Bank	118700 00	
1930 Cash in Bank	118700 00	
1940 Cash in Bank	118700 00	
1950 Cash in Bank	118700 00	
1960 Cash in Bank	118700 00	
1970 Cash in Bank	118700 00	
1980 Cash in Bank	118700 00	
1990 Cash in Bank	118700 00	
2000 Cash in Bank	118700 00	

It's Simple.

Your MACCOUNTANT automates your books, reports to you in a timely manner, and is very easy to get along with.

So join the thousands who have made the intelligent choice.

Simply call a dealer of intelligent software in your area, or dial (213) 452-5636 and get MACCOUNTANT on your staff.

Today!

# MACCOL



# Choice Made Simple.

It's Confusing.  
You want to make the intelligent choice,  
but, whether you're in baseballs or ballistics,  
choosing the right accounting program for your  
business was a difficult task.  
Until Now.

## **Meet MACCOUNTANT™**

—The Intelligent Choice Made Simple.

Like the Macintosh™ it was specifically designed for,  
MACCOUNTANT proves that simple doesn't mean  
simple minded. It's a ferocious number cruncher that's  
been civilized so MACCOUNTANT works for you, not  
against you.

From its 5 journals and 11 reports  
to its full Windowing,  
Scrolling,

Check Writing,  
Report Printing,  
Auto Correction and more;

MACCOUNTANT is perhaps the most feature packed  
program available. Plus, Accounts Payable and  
Receivable are fully integrated at no additional cost.

Consider all of these features integrated in a program  
that's fast, intelligent, and intuitive.

No complex operating commands to master,  
MACCOUNTANT was designed to work the way you  
work;

And, That's Smart.

# JNTANT™



# About This Guide...

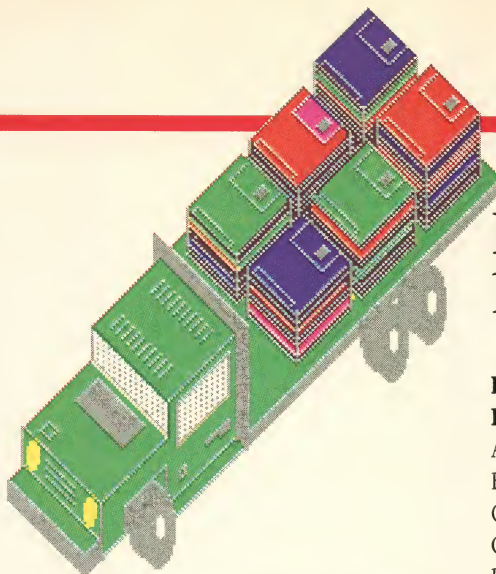
**Reviews:** Software reviews were written by independent reviewers and Macintosh users and are *not* based on information supplied by vendors.

**Software Premiere:** This section includes descriptions of recently released software products in selected categories. These are products that have become available since the Spring, 1985 issue of *The Macintosh Buyer's Guide*. Products are arranged by category and are listed alphabetically within categories.

**Product Directory:** This section includes every Macintosh product listed in our data base at the time this issue went to press. The products are arranged by category and are listed alphabetically within categories.

**Disclaimers:** Product descriptions, prices, and other information in the Software Premiere and Product Directory were supplied by manufacturers and vendors. Redgate Publishing Company does not assume any responsibility for the accuracy of their representations nor the suitability of any product for specific tasks.

Software reviews are the opinions of the reviewers and do not necessarily reflect the opinions of Redgate Publishing Company.



## Software Reviews

ExperLogo	8
Factfinder	10
The Home Accountant	12
MacLion	14
QuickSet	20
ThinkTank 512	22

## Software Premiere

### Business and Professional Software

Accounting	24
Business Graphics	25
Communications	28
Creative	31
Data Base	39
The Macintosh Office	44
Miscellaneous Management	48
Office Management	54
Programming	56
Specific Applications	60
Spreadsheet	80
Training	82
Utilities	84
Word Processing	92

### Personal Software

Education	95
Home Finance	97

# Product Directory

## Business and

### Professional Software

Accounting	100
Business Graphics	101
Communications	101
Creative	102
Data Base	105
Integrated	106
The Macintosh Office	107
Miscellaneous Management	110
Office Management	112
Programming	113
Specific Applications	115
Spreadsheet	118
Training	118
Utilities	119
Word Processing	121

### Personal and Home Software

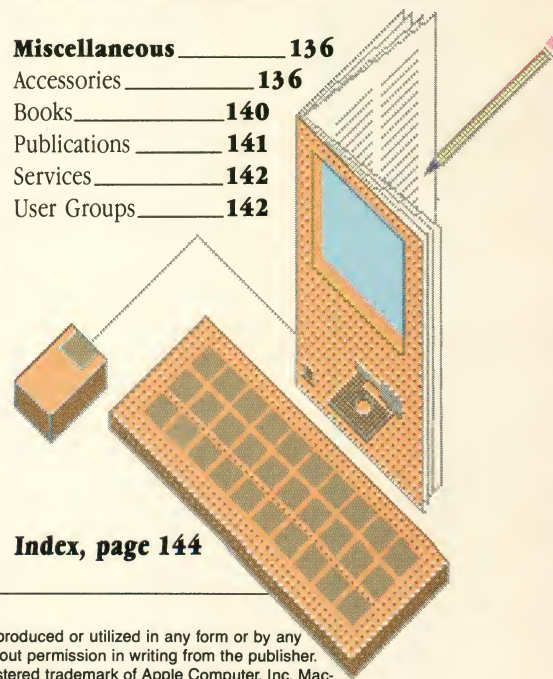
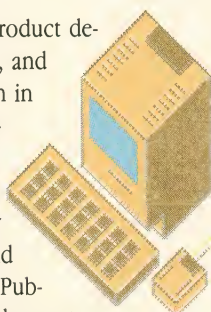
Education	123
Games and Entertainment	124
Home Finance	127
Other Software	128

### Hardware and Peripherals

### Miscellaneous

Accessories	136
Books	140
Publications	141
Services	142
User Groups	142

Index, page 144



Entire contents copyright 1985 by Redgate Publishing Company. All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without permission in writing from the publisher. The Macintosh Buyer's Guide is an independent journal, not affiliated in any way with Apple Computer, Inc. Apple is a registered trademark of Apple Computer, Inc. Macintosh is a trademark licensed to Apple Computer, Inc., used by permission. Redgate Publishing Company is not responsible for the accuracy of product listings and descriptions. Some of the views expressed by contributors may not be representative of the views held by Redgate Publishing Company. Redgate Publishing Company editorial and business office: 3381 Ocean Drive, Vero Beach, FL 32963, 305-231-6904. Unsolicited manuscripts and other materials will be returned only if accompanied by a self-addressed stamped envelope. The publisher is not responsible for unsolicited materials. Printed in the USA by R.R. Donnelley & Sons, Glasgow, KY. The Macintosh Buyer's Guide is published quarterly. The Macintosh Buyer's Guide is published by Redgate Publishing Company at 3381 Ocean Drive, Vero Beach, Florida 32963. Subscription rates: \$10.00 per year; Canada \$15.00; foreign \$40.00. All orders are payable only in U.S. funds.



# GET QUICKSET™

## AND STAY ORGANIZED FOREVER.

Quickset. The complete multifunctional desk manager and organizer designed specifically for the Macintosh. It works the same way that you and your Mac do. With icons, words, numbers and symbols.

### **New Power For Your Mac**

Quickset works concurrently with most other Macintosh programs. You won't have to interrupt your work-in-progress to schedule a meeting, jot down a fresh idea, or pause to figure out how much you still owe on your yacht.

### **There's Flexibility**

Quickset works where and when you want it to. Its modular design allows you to customize the Quickset applications according to the demands of your work.

### **Icons and Words**

Quickset's Notefiler, Cardex and Calendar all come complete with their own individual set of icons to reference and index all of your personal information, reminders and notes. Scheduling events, categorizing notes and indexing rolodex entries is now as easy as clicking an icon.

### **Numbers and Symbols**

Two professional calculators with several built in financial and statistical functions that let you set the precision, select the mode and perform calculations such as Internal Rate of Return, Net Present Value, Amortization, Standard Deviation, Linear Estimation, etc. All at breath-taking speed.

### **There's Security**

Keep any file from any Macintosh program "leak" proof with Quickset's Encryptor. More than just a simple password device, the Encryptor is a sophisticated no-nonsense approach towards information security.

### **Start getting organized forever**

Try out Quickset at your authorized Apple Computer dealer today. You'll wonder how you ever got along without it.

Requires a 128K, 512K or XL Macintosh Price: \$99.95

For the name of your nearest Quickset dealer call (800) 556-2283.

For more information call (415) 543-7644.

**EnterSet™**

ENTERSET, INC. 410 TOWNSEND STREET SAN FRANCISCO, CA 94107

Circle 2 on Reader Service Card





# Find the Then draw your

Microsoft® Multiplan® and Microsoft Chart. They're crackerjack programs working on their own. But you should see this pair in action together on the Macintosh.™

The one, a spreadsheet of dazzling analytical power and graceful simplicity.

The other, a picture perfect charting program that makes rows and columns of numbers graphically clear.

And the beauty is, they were literally made for each other. And for Macintosh.

## Multiplan accepts you as you are.

Multiplan takes full advantage of Mac's simple, intuitive operating style. So you can work in a way that will come natural to you.

You don't have to memorize any arcane commands. Just point and click the mouse to move mountains of figures and formulas quickly and painlessly.

In addition, Multiplan gives you features that make hard copies gratifyingly readable. For instance, the enviable ability to print sideways.

So you can't run out of column room. No matter how wide your spreadsheet gets.

## Chart makes people see what you mean.

Microsoft Chart gives you lots of ammunition for your arguments: Pie charts, bar charts, line, column, area and scatter charts. Or combinations.

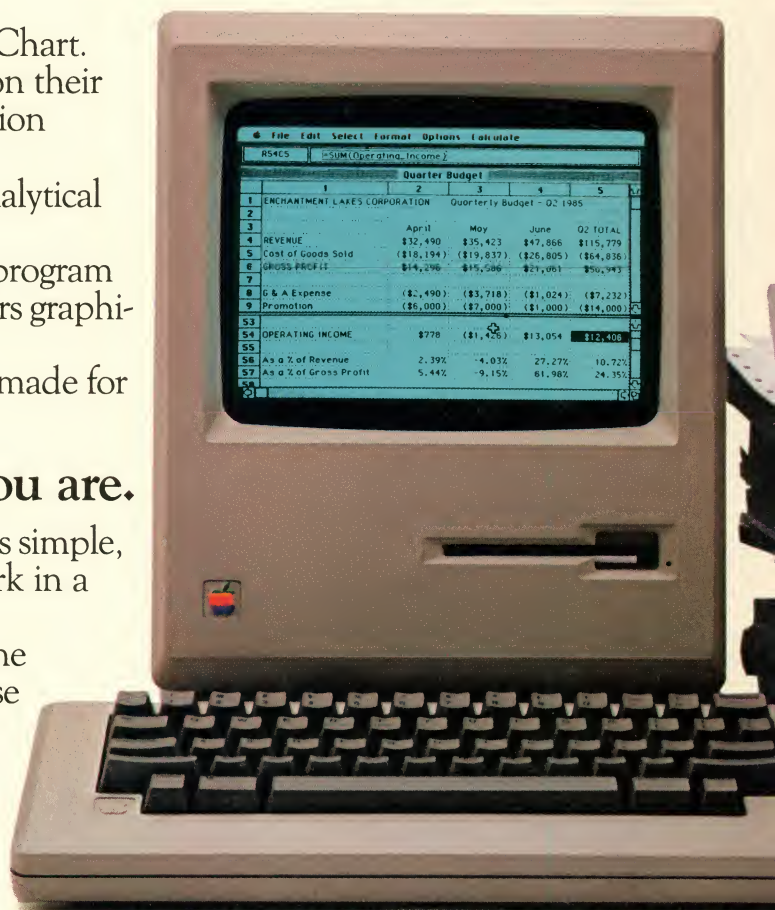
**MICROSOFT**

The High Performance Software™

Pick the one that best illustrates your point. Then translate your numbers into pictures and have them on paper in a matter of moments.

Using the mouse, it's a cinch to fine tune the graphs to get exactly what you want. Move any section. Change its size, shape, or highlight it.

Chart can even be linked with Multiplan. So any change on your spreadsheet will show up automatically on the charts.





# answer. own conclusions.

## We get the max out of Mac.

It figures that we'd be the ones to make Mac work so well with figures. We've written more Macintosh programs than any other software company. Including Microsoft Word, Microsoft File. And Microsoft BASIC, Mac's first language.

That experience shows in programs which not only exploit all of Mac's unique features, but make it extraordinarily capable and productive.

In addition, all of Microsoft's Macintosh products can exchange data with each other.

And because our programs work alike, if you learn one, you're

well on your way to learning the rest.

To find the name of your nearest Microsoft dealer, call (800) 426-9400. In Washington State, Alaska, Hawaii and Canada, call (206) 828-8088.

Then check out Multiplan and Microsoft Chart. And watch them perform some nice little numbers.

Microsoft and Multiplan are registered trademarks and The High Performance Software is a trademark of Microsoft Corporation. Macintosh is a trademark licensed to Apple Computer, Inc.



**MICRO  
SOFT**



# The Macintosh Buyer's Guide

## Redgate Publishing Company

A wholly-owned subsidiary of  
International Thomson Business  
Press, Inc.

President: **Joseph J. Weibel**

Executive Vice President: **Ted Leonsis**

Editorial Director: **Paul W. Kellam**

Chief Financial Officer: **Mark E. Droege**

Director of Finance: **Jeff Parsons**

Comptroller: **Conrad Smith**

---

Editor & Publisher: **Ted Leonsis**

Managing Editor: **Thomas R. Kempf**

Art Director: **Mark S. Ballard**

Associate Editors:

**Paul Pinella, Ron Errett, Jeff Lea**

Editorial Assistant: **Paulette Siclari**

Contributing Editors:

**Frederic F. Anderson, Sandra Markle,  
William Markle, Sharon Gamble Rae,  
Dr. Steve Gerkin**

---

Director of Manufacturing:

**Deborah J. Graves**

Typesetting Operations:

**Wendy L. McCloud, Kathaleen S. Ross,**

---

Circulation: **Joseph J. Sparano**

---

Advertising Sales:

**Joseph J. Weibel, (305-231-6904)**

**William G. S. Smith (203-438-3408)**

**Tim Carney (305-231-6904)**

Advertising Production Coordinator:

**Sandy Engelhardt (305-231-6904)**

Support Staff: **Helen Ammerman,**

**Betty Clark, Patricia C. Pytel,**

**Sharon Pfau**

---

Cover Illustration: **Rick Jacobi, of  
McNamara Assoc., Inc.**

## EDITOR'S WINDOW

### More On Hard Disks

Rather than take this space to personally expound, we'd like to share a letter we received that addresses one of the most-asked questions in the Macintosh world, "What can I expect from a hard disk?" We scratched the surface in the last issue, but Tim Gill, president of Quark Peripherals, Inc. adds several worthwhile comments:

"To elaborate on your hard-disk article, 'So You Want A Hard Disk?' in the Spring 1985 issue of *The Macintosh Buyer's Guide*, here's an explanation of some of the problems you encountered.

"When Apple designed the Macintosh they had not planned for a hard disk. This means that hard-disk performance using their current software is less than optimum.

"First, the article mentioned that the boot-disk icon would disappear from the desktop and the application icon would move to the top, thereby becoming the startup disk. In the Macintosh environment, the startup disk is always the disk from which the last application was run. It has no relation to the disk with which the system was booted.

"Thus, if you run MacWrite from the hard disk, when you exit the volume containing MacWrite will be the startup and will be at the top of the screen in the Finder. You will be unable to put the startup disk in the trash because the Finder is using the System file on that disk or volume.

"Second, the article mentioned the need to eject the hard-disk icon from the desktop before shutting off the machine. This is necessary so the Macintosh will update the directory on the hard disk. It will update automatically, but only when you move in and out of applications.

"If you have just changed the name of a file using the Finder, for example, and then shut off the Macintosh, the name change will be lost. This characteristic also exists while using floppy disks. Apple has an unreleased version of the Finder with a shut-down feature to update all

directories. This isn't very elegant, but it's the best that can be done with the current Finder.

"We have also observed that the Finder will occasionally miscopy something on a hard-disk volume. For example, if you copy files from the hard disk to the floppy and one of them is the System file, the floppy often becomes unbootable. This is another item that has been corrected in Apple's new version of the Finder.

"Third, the article mentioned the inconvenience of not being able to boot the system directly from the hard disk. This is impossible with an externally connected drive because the ROMs in the Macintosh only go to the floppy. The Hyperdrive can be booted directly, but they replace the Apple ROMs, which will present interesting problems for Apple when they change the ROMs.

"Fourth, is the copy-protection fiasco that doesn't allow copy-protected software to be copied to a hard disk. This is a problem shared by all computers of any type unless the application developer built in a special hard-disk protection strategy. The Macintosh version of Multiplan, for example, requires only that the disk be in the drive the first time it is run after being powered up. All subsequent runs do not require the diskette.

"There are other difficulties you didn't mention, especially on the 128K machine. Hopefully, Apple's new software will take care of them."

Thanks, Tim for your input; and for writing the Editor's Window for me.

—Tom Kempf



# JUST ARRIVED!

## The first complete desk management program for the Mac.

It's here! A powerful software program featuring dynamic storage/retrieval capabilities for your Mac. It's called THE DESK ORGANIZER®. And it's ready to help you organize yourself, your work, you name it.

At the core of THE DESK ORGANIZER is a *free-form filing system* that files anything you want, just by typing it. Notes. Letters. Reports. Phone numbers. Names and addresses. And you can retrieve or update at any time.

Surrounding this system are easy-to-use tools that add a new dimension to your Mac:

THE DESK ORGANIZER's *extensive correspondence facility* replaces Mac's limited notepad. Its *calculator* adds an electronic paper tape—and a powerful formula calculator (the Mac has neither). And THE DESK ORGANIZER offers *unlimited alarms* that chime gently to remind you of meetings. Plus a *telephone dialer* that automatically searches files, locates the proper number and connects you.

What's more, THE DESK ORGANIZER increases the filing capacity of the Mac—by storing hundreds of Mac notes and letters on a single diskette.

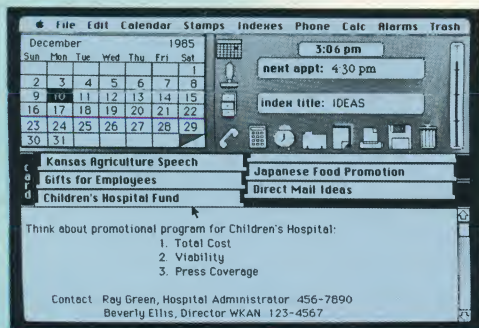
Born to run on the Mac, THE DESK ORGANIZER can *co-reside with other Mac programs*—to keep you completely organized no matter what you're working on.

To get this infallible electronic secretary for **only \$99**, see your Mac software dealer.

**OR CALL WARNER SOFTWARE (212) 484-3070.**



Warner Software, Inc., 666 Fifth Ave., New York, NY 10103  
A Warner Communications Company



**INCLUDED FREE:** 25 business form letters and a library of useful formulas. Runs on 128K and 512K Macs.

**Truly a major software breakthrough!**

Macintosh® is a registered trademark of Apple Computer, Inc. The Desk Organizer® is a registered trademark of Conceptual Instruments Company.

Come see us in booth 522 at the Mac World Expo in Boston, August 21st-23rd.

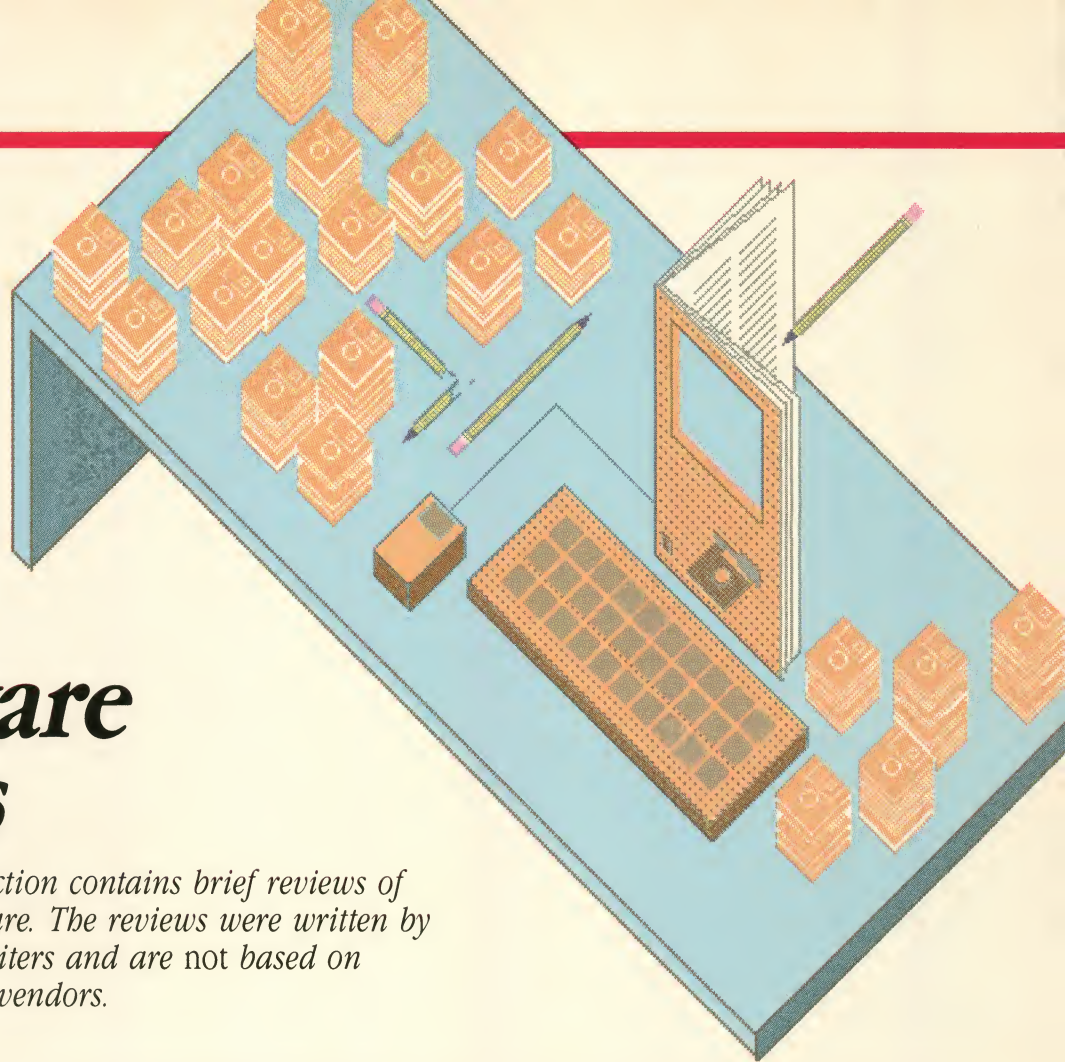
Circle 3 on Reader Service Card



---

# Software Reviews

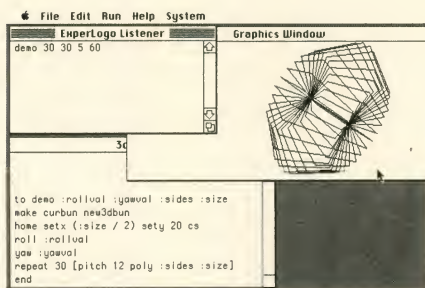
*This section contains brief reviews of selected Macintosh software. The reviews were written by independent writers and are not based on information supplied by vendors.*



---

## ExperLogo

### Programming language



**System Requirements:** 128K or 512K Macintosh.

ExperLogo is an implementation of Logo that differs from other versions of this language in several major ways.

ExperLogo programs are compiled, thus increasing their speed manyfold over inter-

preted versions. The program supports three-dimensional graphics as well as the creation of pictures on the surface of a sphere, and includes many features normally found in modern versions of LISP.

Most people who know anything at all about Logo think of it as a language primarily for children. While much of Logo is accessible to young children, and used in classrooms and homes throughout the world, Logo is a far more powerful programming language than most people realize.

What many people don't know is that Logo is based on the artificial-intelligence (AI) research language, LISP, and that Logo is a perfectly good tool for implementing many types of programs ranging from the traditional programming domains to the field of AI.

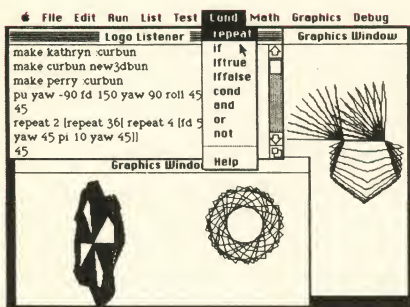
If Logo has not been thought of as a general-purpose programming language be-

fore, it is because most microcomputer implementations of the language have suffered in several areas. Execution speed and efficient use of memory are two examples.

On the other hand, previous Logos have provided the user with a highly interactive interpreter that facilitates the creation of Logo procedures and the debugging of non-working programs. The ease of use of an interpreter, coupled with the simplicity of Logo's command structure, has made Logo a popular first programming language for many children and other novice programmers.

Interpreters are slow, however, and this is a severe limitation for the programming

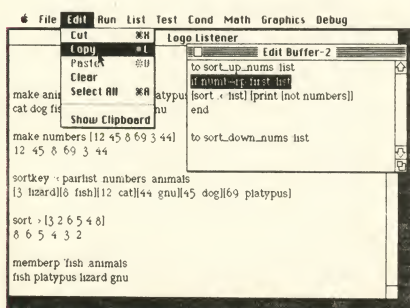




## Multiple-window capabilities

professional who wants to create serious applications. Ideally, the Logo programmer should have access to an interpreter for programming and debugging, and a compiler for the creation of the final, debugged code.

As the first compiled Logo in the micro-computer marketplace, ExperLogo has some impressive capabilities. For example, a



## List processing

graphics benchmark program that requires almost 200 seconds to compute on the Macintosh using an interpreted version of Logo takes only seven seconds in ExperLogo—an increase in speed of almost 30 to 1.

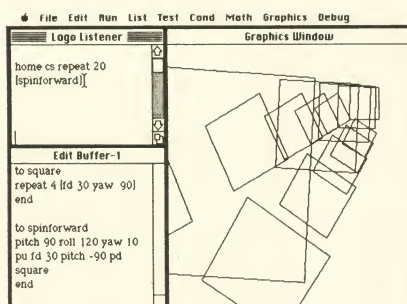
The major drawback that comes from using the ExperLogo compiler is that, as of the time this was written, the user is not provided with a way to save the compiled object code and the variable work space. This means that programs need to be compiled each time they are loaded from the disk. Hopefully, this will be resolved in future releases of the program.

Most Logo enthusiasts are familiar with turtle graphics. That's a method of creating graphic images on a display or output de-

vice by sending commands to a "turtle", represented by a cursor on a CRT screen or plotter pen, etc.

The turtle can be thought of as a computational object that obeys a set of commands instructing it, among other things, to move forward or backward by a specified amount, to turn to the left or right, and to pick up or set down its pen.

Pictures are drawn by the traces left



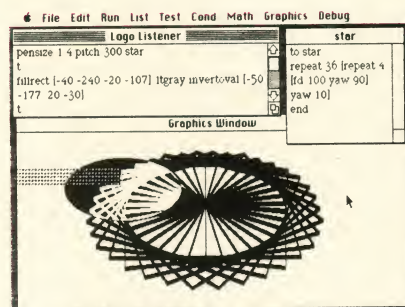
## Three-dimensional graphics

behind as the turtle moves around on the graphics window. This method of describing images and shapes has many advantages.

In ExperLogo, the equivalent of turtle graphics is called "bunny graphics" because of the high speed at which the pictures are drawn. In addition to ExperLogo's speed in drawing pictures, it also provides access to the Quickdraw procedures available in Macintosh ROM and includes commands that allow the user to draw representations of three-dimensional pictures using the additional commands pitch, yaw, and roll.

An additional graphics mode allows the user to create images that look as if they were drawn on the surface of a sphere. The speed and richness of this graphics environment is quite stunning, but it is only a small part of ExperLogo.

Logo can be thought of as a user-friendly relative of LISP. One difference between LISP and Logo is that all LISP procedures are functions that return values. While this lends a certain purity and elegance to the language, it can be confusing when working with procedures whose utility comes from a side effect (drawing a line on the screen) rather than from producing a result



## Quickdraw

(a mathematical function such as square root).

When Logo was created, its designers decided to break from LISP's pure functional programming style and make a distinction between two types of procedures—those that produced results (operations) and those used for their side effects (commands). In formal Logo, only operations produce results that are passed out of the procedure.

ExperLogo provides a hybrid world to the programmer in this regard. All Logo procedures are functions in the LISP sense, although the user can turn off the visible passing of information out of a procedure to make the language appear more like traditional Logo.

ExperLogo is the first of several program-development tools created by Expertelligence for the fast-growing AI market. Because Logo is easier to learn than LISP, it is a perfect starting point for programmers whose interests range from computer graphics to the creation of programs that explore various topics in the field of artificial intelligence.

When MIT's Professor Seymour Papert created the concept for Logo, he wanted a programming language with "no threshold and no ceiling." ExperLogo goes far toward reaching this goal.

—David Thornburg

Available now; \$149.95 retail

Expertelligence, Inc.; 559 San Ysidro Rd.; Santa Barbara, Calif. 93108; 805-969-7871



# Factfinder

## Free-form filing system

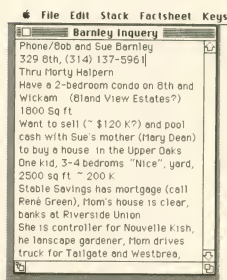


Figure 1

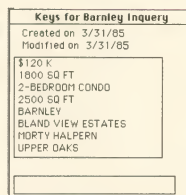


Figure 2

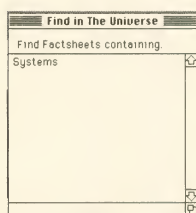


Figure 3

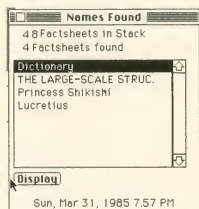


Figure 4

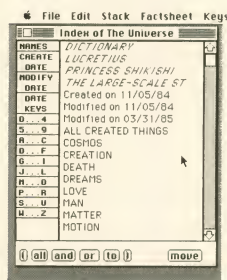


Figure 5

**System Requirements:** 128K or 512K Macintosh.

Factfinder is an electronic system of making written notes, filing them, and finding them again. It is an excellent tool for organizing and searching freely written text.

For a busy manager it might be a way of making notes on meetings, phone calls, or random ideas. They can then be stored easily without filing them by hand or letting them pile up haphazardly in a drawer.

For someone doing research it automates the three-by-five card system. The user can create the cards on the screen and let the computer store, sort, and find them.

When you first open the application,

Factfinder shows a group of windows. On the left is a window called the Factsheet, where you can type up to about six pages of text. You can expand this window to fill the whole screen if necessary.

A group of related Factsheets you choose to keep together is called a stack. With normal Macintosh text tools you can select words or phrases in each Factsheet to become key words. These can be used at any time to retrieve Factsheets from the stack.

Figure 1 shows a Factsheet that a realtor might create to record a phone inquiry. Figure 2 shows the realtor's selection of key words for that Factsheet.

In another window he can type or copy these words and ask Factfinder to show or print all the Factsheets that contain them. Figure 3 shows a window containing a set of notes for a school paper on the universe. The user asks in figure 3 to show all the Factsheets that have the keyword "system". Figure 4 shows the list Factfinder produces. Clicking on the display button will display the Factsheets one by one.

As you make new Factsheets and select key words in them, Factfinder accumulates in an index all the key words you have selected for the stack. The program will display this index for you as shown in figure 5.

Then you can scroll through the index and call for display of any of the Factsheets that were tagged with a given key word when it was made. The buttons on the left side of the index in figure 5 show how you can also retrieve Factsheets according to when you made them or by their names.

You can also combine key words logically, for example, by asking to see a list of all Factsheets keyed to both "system" and "dreams". The realtor could ask to see all the notes he made on a certain day, or all the Factsheets that refer to Blandview estates and Upper Oaks.

The basic writing and editing tools are available for creating Factsheets. Factfinder allows only one font, however, Geneva.

A handy menu allows you to copy text-only files from other sources such as word-processing systems or files loaded from a telecommunications source. Electronic mail users who have more messages than they know what to do with could use Factfinder to organize them and make them easy to

sort using a choice of key words.

You can print all Factsheets at once, or choose specific ones for printing. Mailing labels can be printed, too, but the process is fairly awkward—you have to tell the printer you are printing one-inch-high pages.

There is one important feature missing, however, you can add key words to only one Factsheet at a time. For example, if the realtor suddenly decided he wanted to go through his stack for any Factsheets mentioning Upper Oaks, but had not thought to make it a key word originally, he would have to look at every Factsheet in the stack. There should be a feature that allows after-the-fact, global keyword insertion.

On a single-drive Macintosh you can keep your files on your master disk. That allows about 50 one-page Factsheets. If you have a second drive you can have about 500 pages of Factsheets. With a hard disk, of course, you can have thousands.

Version 1.0 of Factfinder tends to be slow. It reads from the disk every time you search through a stack or display a Factsheet. The developer says a new version, due out soon, will run much faster. When installed on the hard disk of a Macintosh XL, however, it ran several times faster.

Factfinder is copy protected, but you get two master disks when you buy the product and the copy protection isn't deadly. For example, you can make copies of these disks and the copies will read Factsheets of any kind and will allow you to create new stacks of a maximum of 16 Factsheets. As for hard-disk installation, it's much easier than most other Macintosh programs.

The 85-page user's manual is well written and organized logically. It includes a brief tutorial section on how to perform the basic functions, an easy-to-use reference section, and a good index.

Help is also available on disk from a menu that brings up images of the basic windows with call outs that describe functions. It is very effective.

—Dirk van Noubuys

Available now; \$150 retail  
Forethought, Inc.; 1973 Landings Dr.;  
Mountain View, Calif. 94043; 800-622-9273



# Faster Figures



Now you can cut your data input time in half! With the Numeric•Turbo, a new high-speed input device combining the fast response of the Mac•Turbo•Touch\* with a full-scale numeric keypad. The Numeric•Turbo includes cursor keys and direct function keys, so you no longer have to use the Control or Shift key on the Mac keyboard for function entry. Figures flow directly from your fingertips to your Macintosh, making data entry with Numeric•Turbo 50% faster than with a conventional mouse and Apple keypad. Because there's nothing to get between you and your software.

Numeric•Turbo is ideal for use with Jazz,<sup>™</sup> Multiplan,<sup>™</sup> Ensemble,<sup>™</sup> Quartet,<sup>™</sup> Dollars and Sense,<sup>™</sup> and any other Macintosh software where you want your figures faster.

If you already own a Mac•Turbo•Touch and want to upgrade to a Numeric•Turbo, just ask your Apple Dealer for details. We've provided Dealers with upgrade kits that are easy to install and priced to please. And, we think you'll be more than pleased with how little it takes to accomplish a lot with Numeric•Turbo.

List Price \$149

\*The Mac•Turbo•Touch is another way to enhance your Macintosh's performance. This high speed input device is designed to respond as quickly as you do. The slightest touch of the gyroscopic ball positions the pointer quickly and accurately on the screen. The result is software that works even better, faster and more precisely. List price only \$109.



**Assimilation**<sup>™</sup>

1 (800) MAC-5464 • In California 1 (800) 421-0243

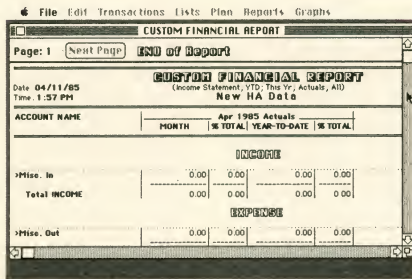
Macintosh is a trademark licensed to Apple Computer. The Numeric•Turbo and Mac•Turbo•Touch are trademarks of Assimilation, Inc. © Assimilation, Inc. 1985.

Circle 4 on Reader Service Card



# The Home Accountant and Financial Planner

Personal financial management



*System Requirements: 128K or 512K Macintosh; second disk drive.*

A large proportion of home-computer buyers say they intend to use their new machines to manage their personal finances. When they get home, surveys tell us, they tend to backslide.

To be honest about it, personal finance programs require a significant commitment of time and effort. For example, every check you write must be entered by date, amount, payee, budget category, and sometimes more. It can be tedious. So if all you want to do is balance your checkbook, you'd be better off with a \$12 calculator.

Finance programs, however, offer far more than a balanced checkbook. They can give you a way to track and analyze all income, expenses, and investments, and can make income-tax preparation much less traumatic.

The Home Accountant for the Macintosh uses the mouse, windows, and pull-down menus to keep the travails of budgeting and record keeping to a manageable minimum.

Let me say up front, however, that if you have a 128K Macintosh with one disk drive and don't plan to upgrade, you can stop reading. The program is simply beyond that system's capacity and will require disk

swaps by the dozen. Two drives are a must for 128K machines. On a single-drive 512K Macintosh, however, the program is much faster, and disk swapping isn't a problem.

The first step in creating a Home Accountant system is to set up accounts and budget categories. When you select Add Categories from the Lists menu, a category window appears.

Simply enter the category name and, if you wish, a starting balance. A click of the mouse designates the category, a bank account, credit card, cash, asset, liability, income, or expense.

Any account in which there are a lot of transactions should be designated a bank account. In addition to checking accounts, these might include money-market accounts, savings accounts, and cash-management accounts at a brokerage house.

When you write a check, the amount automatically will be deducted from your account and added to the appropriate expense category. When you make a deposit, the amount is added to your balance and to the income account you designate.

Credit-card accounts are similar, but work in reverse. A purchase increases the balance, and a check to the credit-card company is deducted from both your bank account and your credit-card balance.

Asset categories might include a home, cars, art, and collectibles. But if you include these as assets, be sure to set up liability accounts for any loans. Otherwise your balance sheet and net-worth statement will be completely out of kilter.

When you make a loan payment, you can split the transaction into principal and interest. The interest will be assigned to an expense category. The principal will be credited to the liability account, and your balance sheet and net worth will be recalculated automatically.

Selecting categories, particularly expense categories, requires a good bit of reflection. You'll want to keep your system as simple as possible, and your budget should reflect your current spending patterns. There's little point in attempting a radical departure. Once you've made your decisions, however, recording your budget is simple.

Click to make a selection from the budget list, choose Budget from the pull-down

menu, and enter the monthly amounts in the window. You can copy your initial entry to the remaining months in one step, or enter each month's figure separately.

You begin to reap the benefits of your efforts as soon as you begin recording transactions. When you select a bank account, a window resembling a check appears with the account balance in the corner. The date of the last check appears automatically, and checks are automatically numbered sequentially unless you want to change them.

The Home Accountant offers a very fast and easy solution to the data-entry problem. You can call up the list of categories in another window. As you fill out a check, you can either type in the category or select one from the list with a couple of clicks of the mouse. You can also compile a list of frequent payees that works the same way.

The program can produce dozens of on-screen or printed reports: income and expense, income statements, balance sheets, transactions, bill payments.

Macintosh's graphics, of course, are one of its best features. The Home Accountant takes advantage of them with bar graphs, line graphs, pie charts, and trend lines.

The Plan menu offers loan planning, retirement planning, and calculations of the future value of an investment or the amount you must save to reach a goal.

The release version we received contained two serious bugs. One caused the program to crash when I tried to arrange certain transaction reports by date. The other caused the program to add up columns incorrectly in a monthly budget report. These should be corrected by the time this review appears, and the company promises corrections when owners of flawed programs send in their registration cards.

Other versions of The Home Accountant have been around for several years, and the program has been very successful. The Macintosh version is such a dramatic improvement that it almost seems inappropriate to call it by the same name.

—Steve Adams

Available now; \$150 retail

Arrays, Inc./Continental Software; 11223 South Hindry Ave.; Los Angeles, Calif. 90045; 213-410-3977

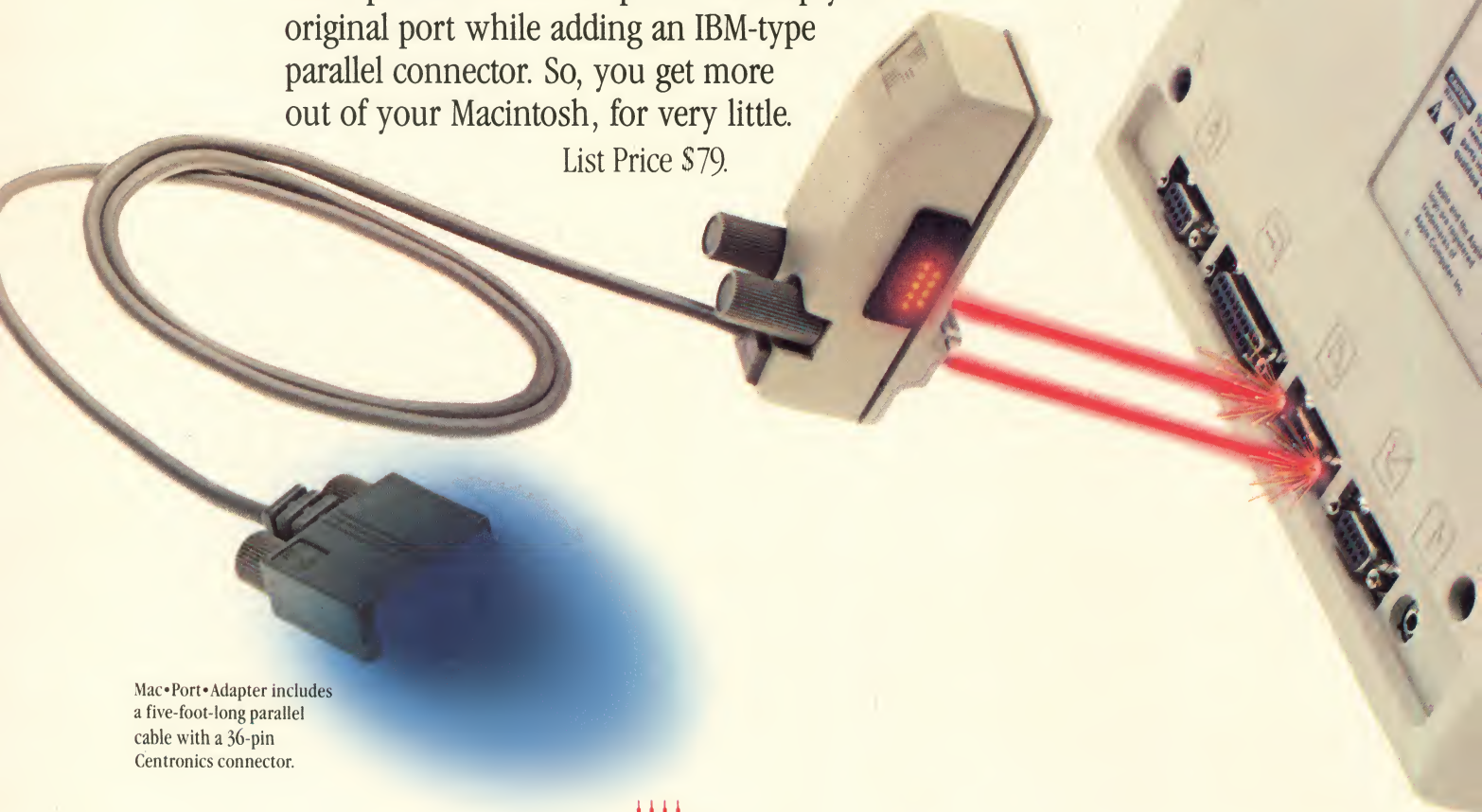


# Port Power

Introducing the Mac-Port-Adapter. Your Macintosh connection to the world of IBM-compatible peripherals. Designed to expand the capabilities of your Macintosh, the Mac-Port-Adapter allows you to team your Mac with top-of-the-line parallel peripherals. *And* keep your standard Macintosh serial port.

Simply plug the Mac-Port-Adapter into Mac's printer or modem port. You keep your original port while adding an IBM-type parallel connector. So, you get more out of your Macintosh, for very little.

List Price \$79.



Mac-Port-Adapter includes a five-foot-long parallel cable with a 36-pin Centronics connector.



**Assimilation**™

1 (800) MAC-5464 • In California 1 (800) 421-0243

Macintosh is a trademark licensed to Apple Computer. Mac-Port-Adapter is a trademark of Assimilation, Inc. © Assimilation, Inc. 1985.

Circle 5 on Reader Service Card



# MacLion

## Relational data base

ORDER-ENTRY

Order Entry Screen for Quixotic Cuisine

Order No. 240 Order Date 07/08/84

Client Name DEJA

DEJA QUE VIDEO RENTALS

3210 EL CAMINO REAL

BURBANK CR 91504

AMN KORA 739-555-7676

Item #	Description	Units	Qty	Price	Calculated
102	CHEESECAKE	SLICE	19.0	4.50	85.50
103	CHAMPAGNE	BOTTL	8.0	24.50	196.00
104	POP CORN	POUND	15.0	3.00	45.00
105	PETIT FOURS	DOZEN	15.0	13.23	198.45
106	WHIPPED CREAM	QUART	20.0	5.75	115.00
107	OYSTERS ROCKEFELLER	EACH	15.0	1.75	26.25
					668.09

MODIFY RELATION

Database Fields

- CLIENT
- ADDRESS
- CITY
- STATE
- S. ZIP
- PHONE
- ORDER NO
- S. AMOUNT
- S. BALANCE

KEYS

- CLIENT T 35
- ADDRESS T 30
- CITY T 15
- STATE T 2
- S. ZIP T 5
- PHONE T 12
- ORDER NO I 4
- S. AMOUNT .2 9
- S. BALANCE .2 9

None [NAME.CLIENT]

Key Length 8

Total Length 146

SAVE

SAVE & AGAIN

CANCEL

DELETE FIELD

*System Requirements: 128K or 512K Macintosh; second disk drive.*

One of the major complaints of Macintosh owners or potential owners is the apparent lack of serious business software packages available.

The MacLion Relational Data Base Management System, from Computer Software Design Inc. (CSD), Anaheim, Calif., should help change the Macintosh's reputation and soothe the consciences of users who are afraid they've bought a micro with no real use in complex business environments.

A relational DBMS is a computer program that stores and retrieves information in such a way that individual pieces of information may be combined in infinite ways.

It allows you to break down your data into very minute or detailed components and then quickly mix, match, and sort just those components to customize a report. More traditional DBMSs, including most of

those available for the Macintosh, allow you to mix and match data, but because of the way data files are defined you also get extra data you don't really want.

Despite how simple and straightforward the concept of a relational DBMS sounds, these programs are sophisticated in terms of both the way they are programmed and the skill it usually takes to use them.

MacLion takes a very powerful program and integrates it fairly well into the Macintosh user-friendly interface. It also allows seasoned users to do away with menus and mouse and drive the program directly from prompt mode.

It is a sophisticated program that elegantly handles large amounts of data and allows users to create routines to manage everything from simple mailing lists to full-blown accounting, marketing, inventory, and numerous other business-oriented programs. It requires a 128K or 512K Macintosh and a second disk drive, and supports hard disks and the Imagewriter.

To get the most out of MacLion you must do a great deal of planning before even putting the diskette in the drive. The first thing you must do is to think through the exact purpose of the data base. What kinds of outputs or reports will you need? What will be the most efficient way to enter data into the system?

With that under control you use a series of pull-down menus to create the fields or individual data types and formats. From a menu you choose the options, Define and New Field, which bring up a dialogue box asking for the name of the new field; a three-character abbreviation; designation as Text, Integer, Numeric, or Date field; and length. You may attach a help message, if desired, to assist the person who will be entering data into the field.

Text fields may be up to 255 characters long, and integer fields may be up to 10 digits long. Numeric fields may be up to 15 digits long with up to nine places to the right of the decimal point, and date fields use the standard MM/DD/YY format. These restrictions are featured in the dialogue box on screen, and MacLion displays an alert box if you try to violate them.

Once you have created all the fields you want, your next step is to create relations

by grouping these fields into meaningful combinations of fields that will normally appear together. You cluster the fields for a given relation and allow the records made up of the relations to be distinguished from one another by assigning one or more fields as key fields.

Key fields will allow you to sort out your records in ascending or descending numeric or alphabetic order later. Examples of common key fields are part numbers, order numbers, and state abbreviations.

When you're finished defining relations, you have subdivided the data base into related smaller groups of fields that will commonly be accessed together. For example, if you're keeping an order-and-billing data base you'll probably have relations labeled Order, Category, and so on, with attendant detail fields. Order might be keyed on order number and Category might be keyed on category number.

A given field can be included in one relation as a key field and in another as a non-key field. The fields chosen as key fields can't exceed 27 bytes for any given relation.

Since there will commonly be two or more relations you want to access together in a certain way—such as Order and Category—your next step is to create, name, and save indexes. To do so, you select a combination of fields (up to 27 bytes) from a dialogue box, and save the procedure as an index. This provides you with a shortcut for often-used queries, since MacLion saves the command and creates data paths to make execution of the command very fast.

Once you've defined fields, relations, keys, and indexes, it's time to set up data-entry screens. True to Macintosh form, MacLion uses pull-down menus and dialogue boxes to allow you to quickly paint the form you desire on the screen.

You can set up the screens so that the person entering data creates one record in each input relation, or one record in one relation and many records in the second relation.

Finally, you can have MacLion serve as a proofreader for the data being entered. It can check to make sure data falls within a

*(Continued on page 16)*





# Three great ways to accomplish a lot. For very little.

The cost of productivity has come down. With three new, incredibly useful tools from Assimilation that make it easier than ever to do more with your Macintosh.™ For only \$29 each.

**Mac-Tracks.™** For customized shortcuts and command flexibility. Mac-Tracks traces the movement of the mouse and lets you assign specific control keys that automatically duplicate what the mouse does. You can even store up to 5,000 characters on one key.

**Lock-It.™** To protect your documents. With Lock-It, you limit access to your files by inserting a password which intercepts the "open" command. The password can be any combination of characters and can be applied to any document in any non copy-protected software application.

**The Mac-Memory-Disk.™** For more memory and speed. The Mac-Memory-Disk lets you access more of the memory in your 512K Macintosh. It makes interaction between software applications ten times faster. It also lets you allocate a portion of the RAM (Random Access Memory) resident in your 512K Macintosh and treat it like a disk.

The Mac-Memory-Disk, Lock-It, and Mac-Tracks are three outstanding yet inexpensive tools that give you greater flexibility. See for yourself how little it takes to accomplish a lot. Stop by your local Apple Computer Dealer. Or call toll-free to order: 1-800-MAC-5464. In California, toll-free to order: 1-800-421-0243.



**Assimilation**™

Circle 6 on Reader Service Card



(Continued from page 14)

certain range or is a member of a list of acceptable responses. It can also make sure data being entered is unique, or verify that the data being entered matches that in another relation.

You may also set up a default for a given field and allow the user to overwrite it, or make a given field mandatory, meaning the user can't advance to the next record if he or she doesn't fill in that field.

Once you have designed the screen, MacLion generates source code to create it. You can save this code to a precompiled program library or modify it further using MacLion's text editor and Leo, MacLion's programming language. You can also edit the screen form later using the pull-down menus.

After data has been entered into the data base, it's time to see what can be done with MacLion's query capabilities. You can select and access data three ways: through the menu-driven query facility, through the prompt-driven query language, or through programs you create in Leo.

All three options let you build query commands and save them to MacLion's precompiled program library so they can be executed quickly at any time.

Most people will probably use the menu-driven facility, at least at the beginning. This feature lets you add, delete, edit, and list any relation or combination of relations in the data base.

The options available allow quite a sophisticated data-retrieval request. Let's say a data base is filled with information on clients, and you want to list all the clients whose names are in the last half of the alphabet, whose business addresses are not in Los Angeles, and who have placed orders since July 15, 1984.

In listing all these clients you want to show only the client name, the city, the dollar value of the order, and the date ordered.

The command clause could look something like this:

```
"LIST CLIENT > L WHERE CITY<>
"LOS ANGELES" AND DATE.ORDERED
>=07/15/84 (CLIENT CITY AMOUNT
DATE. ORDERED)."
```

The words in parentheses refer to the fields you want to display on the screen.

Printing information out in the form of reports can be done through the query facility by using the pull-down menus of the report facility or by writing programs in Leo. Again, many people will probably use the pull-down menus most often. These menus allow you to create columnar reports with a standard line width of 70 characters. An optional Condensed Print feature allows you to print 132 characters across.

Advanced users will probably want to try their hand at using Leo, MacLion's programming language. MacLion is written in Forth, and Leo is quite Forth-like. It is a structured language with 180 words predefined and the ability to be infinitely extended, which is to say you may define your own command words out of combinations of existing words and they may be as simple or as complex as your needs dictate.

Custom commands may be created via the text editor and then run from the menu-driven query mode, the prompt-driven query mode, the Leo interactive mode, or the Leo program mode. You can work with Leo in either interpreted or compiled modes. CSD claims that Leo is by some counts 12 times faster than BASIC.

Leo supports floating-point operations and gives you access to some Macintosh toolbox tools to control such things as on-screen buttons and alert boxes. A good tutorial lets even a beginning user construct some simple Leo programs almost immediately.

MacLion is not the kind of Macintosh program that you can figure out how to use without the two-manual documentation. One manual is a 240-page user tutorial that complements a sample data base on the data disk supplied with MacLion.

This tutorial is well-illustrated with

screen snapshots, and has good cross-references among the chapters as well as a pretty good index.

The other manual is a 260-page reference manual, including more technical background on MacLion's data-base structure, its query, report, screen, utility, and text-editor functions, and a summary, tutorial, and alphabetic reference section devoted to Leo. This manual also contains an index and a fair glossary.

Two modifications would make the documentation top-notch instead of pretty good. The tutorial manual should explain how relational DBMSs differ from other DBMSs early on, and the reference manual's glossary should be more comprehensive. MacLion's documentation is supplemented by context-sensitive help screens in the program.

Error handling is excellent, with many alert boxes appearing to warn the user of irreversible actions, incorrect formats, duplicate field names, and so forth. We only found one exception. MacLion does not give an error message if you enter too few characters in a field—for example, five digits instead of seven for a phone number. This probably could be remedied quite easily with a Leo program.

Performance of a DBMS of this type is difficult to quantify since relations can vary greatly in size and complexity. We set up a small, 50-client data base and didn't have to wait too long for output. An upgrade from CSD in April is said to run two to five times faster.

MacLion is a product that resolves most of the traditional trade-offs between power and ease of use, and may well become the dBASE II of the Macintosh world.

—Sharon Gamble Rae

Available now; \$379 retail  
Computer Software Design, Inc.; 1904  
Wright Cir.; Anaheim, Calif. 92806;  
714-634-1401



Sometimes, the most important tasks of the day are the ones you have the least time for. Give them to the Manager.<sup>TM</sup>

One of the reasons you bought your Macintosh was to get rid of the clutter.

But odds are you've still got little piles of information gathering dust around your home or office. Changes of address, business cards, newspaper clippings, receipts . . . bits of paper that float from place to place, but never seem to land anywhere.

The new ValueSoft Manager<sup>TM</sup> is going to put them in your Mac where they belong.

The Manager is a personal computer management system that organizes your information, files and retrieves it. It helps you work with your data . . . displaying graphs, charts and even pictures. In short, the Manager gets rid of the clutter, and makes you truly efficient. And isn't that the real reason you bought your Mac to begin with?

#### Your Manager Works The Way You Work

The Manager lets you organize your files in whatever way makes the most sense. Maintain them simultaneously in any four ways you like, such as by name, invoice number, zip code or even due date. The Manager eliminates the need for time-consuming sorting. You can even create sophisticated files based on calculated data—like "pay 30 days from today" files.

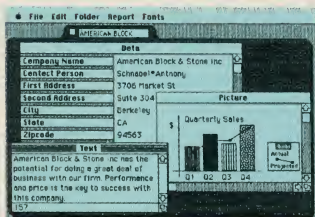
Retrieving data is easy with the Manager. Request a complete file . . . or any part of it. The Manager will display or print it in any order you wish—by subject, number, date, etc.

#### Now You Can Spread Your Data Around

The Manager does a lot more than just file and retrieve for you. It makes working with your data much easier—and faster. To begin with, the Manager reads ASCII and DIF files, and shares data with any ASCII or DIF-compatible program. That means you can transfer information to or from other applications programs, and other databases.

You can pull data and send it to Multiplan<sup>TM</sup> for further analysis . . . use Chart<sup>TM</sup> to create graphics, then store them in your Manager file. Delete records by accident? No problem. The Manager will retrieve them, and send them on to a special "drawer" for review.

Circle 7 on Reader Service Card



Of course, the Manager also prints Rolodex cards, mailing lists, labels and envelopes. Merge data into Microsoft WORD<sup>TM</sup> to create customized letters. You can even draft one-page letters using the Manager alone.

#### Manager Is A Whiz With Figures

Calculate on any numeric or date fields in your file. With it, you can count, get totals, sub-totals, minimum and maximum values and averages on rows or columns—even compute dates past or future.

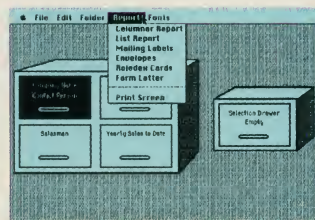
#### The Sensible Solution For Home or Office.

The real beauty of the Manager is that it helps you perform so many commonly-used functions. Whether you want to create a file of business contacts . . . compile a list of monthly expenses . . . or display a chart of your monthly sales, your Manager makes it fast and easy to find, analyze and display your data.

The ValueSoft Manager<sup>TM</sup> is the best multi-purpose software program you can have in your MacOffice . . . and at only \$89.00 it also costs less than other personal productivity programs on the market.

ValueSoft.<sup>TM</sup> Performance without the Price.

© 1985 ValueSoft Inc.  
ValueSoft Manager is a trademark of ValueSoft Inc.  
Microsoft WORD, Chart and Multiplan are trademarks of Microsoft Inc.  
Macintosh is a trademark licensed to Apple Computer, Inc.



**ValueSoft Inc.**

ValueSoft Inc.  
24 Diablo Court  
Danville, CA 94526  
1-800 631-2616 (outside California)  
1-415 838-7507

The ValueSoft Manager is just what I need. Please rush me my own copy. I have enclosed a check for \$89.00 (plus \$3.00 for shipping and handling) made out to ValueSoft Inc. California residents please add 6.5% sales tax. Or, charge my MasterCard/Visa account below.

Name \_\_\_\_\_  
Company \_\_\_\_\_  
Title \_\_\_\_\_ Phone (\_\_\_\_) \_\_\_\_\_  
Street Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
MasterCard \_\_\_\_\_ Expiration Date \_\_\_\_/\_\_\_\_/\_\_\_\_  
Visa \_\_\_\_\_ Expiration Date \_\_\_\_/\_\_\_\_/\_\_\_\_



# Maccessories® 16 ways to improve the performance of your Macintosh.™

Maccessories from Kensington Microware—an entire family of products to enhance your Macintosh. Maccessories make your computer more convenient. They increase your system's flexibility. And they protect your investment.

## 1 Control Center



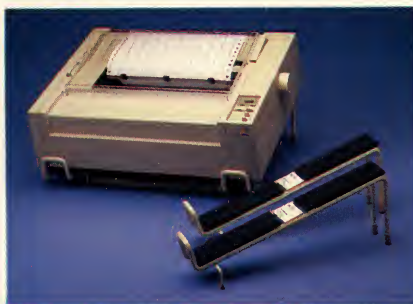
Organizes all your power needs. Styled to fit underneath your second disk drive, it provides fingertip control over your whole system. There's a master switch to power the whole system on and off, and individual switches for a printer, modem and one auxiliary device. And Control Center protects your entire Macintosh system from damaging power surges, line noise and static shocks.

## 2 Surge Suppressor



Portable protection for a travelling Macintosh. Surge Suppressor replaces your power cord, providing UL listed surge suppression and line noise filtering. It's light and fits easily into your carrying case.

## 3 Universal Printer Stand



Raises your Apple® Imagewriter® at a slight angle so you can monitor its performance more easily. It solves the problem of where to store paper—several hundred sheets are accommodated neatly underneath. (Also fits most other dot matrix printers.)

## 4 A-B Box



If you want to take advantage of the AppleTalk™ network, a LaserWriter™ printer or a hard disk in addition to your Imagewriter and modem, you'll have three peripherals competing for the two serial ports on your Macintosh. The A-B Box gives you the extra serial port you need. Just plug two of your peripherals into the A-B Box and plug the Box into one of your Macintosh serial ports. Then simply divert your data output to the peripheral of your choice—press A to send to one, B to the other. Fits perfectly underneath your external disk drive.

## 5 Tilt/Swivel



Gives you the flexibility to tilt and swivel your Macintosh to the viewing angle most convenient for you.



## 6 Polarizing Filter



The solution to a glaring problem. Made exclusively for Kensington by Polaroid®, it protects your eyes by reducing reflected screen glare by up to 99%. Also improves screen contrast. Easy to install.

## 7 Disk Case & Disk Pocket



Provides safe storage for 36 Macintosh disks. Comes with a packet of spare disk labels. Also includes a handy Disk Pocket for safe transportation of up to 5 disks.

## 8 Dust Covers



Protect your system from the elements. Anti-static dust covers for Macintosh, Macintosh XL, Image Writer and External Disk Drive.

## 9 Mouse Pocket



A safe, clean place to keep your Mouse when not in use. Attaches to the side of your Macintosh. Fits under the Maccessories Dust Cover.

## 10 Mouse Cleaning Kit



A full year's supply of the cleaning materials you'll need to keep your mouse rolling at top speed. Also includes the Mouse Pocket.

## 11 Disk Drive Cleaning Kit



A full year's supply of the cleaning materials you'll need to keep your drives running smoothly.

## 12 Graphic Accents

A collection of over 250 professional illustrations, covering everything from business to holidays. Use them for reports, newsletters or greeting cards. Graphic Accents are stored in standard MacPaint™ files, for ease of use.



## 13 Professional Type Fonts

Styled after the most popular type faces in the publishing industry. Type Fonts for Text contains 16 fonts in sizes 12 to 24 point. Type Fonts For Headlines (for the 512K Mac) contains the same fonts in sizes 24 to 72 point. Including versions of Times Roman, Helvetica, Optima, Futura, and a dozen others.

Also available:

## 14 Swivel

## 15 Portable Modem

## 16 Travelling Disk Case

For more information, contact Kensington Microware, 251 Park Avenue South, New York, NY 10010. (212) 475-5200. Tlx: 467383 KML NY.

**K KENSINGTON®  
MICROWARE**

Trademarks: Maccessories/Kensington Microware Ltd., Apple, Macintosh, Imagewriter, AppleTalk, LaserWriter, MacPaint/Apple Computer, Inc.; Polaroid/Polaroid Corp.; Fonts by XIPHAS. © 1985 Kensington Microware Ltd.

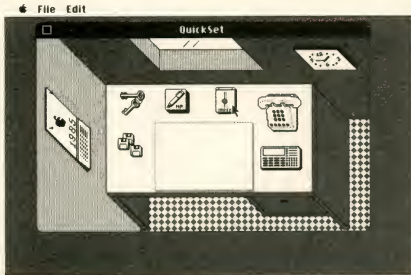
Circle 8 on Reader Service Card





# QuickSet

## Desktop management



*Systems Requirements: 128K or 512K Macintosh.*

QuickSet is an accessory software package and a promising entry in the highly competitive applications area called desk management. These desk-management packages are designed to help busy executives manage repetitive and time-consuming daily chores such as note-taking, scheduling, telephoning, calculating, and setting up appointments.

Desk-accessory packages are usually priced so they can affordably accompany the sale of each Macintosh and major applications software package. QuickSet is no exception at only \$99.

Since many of these packages offer similar functions at similar prices, the nuances of system design, ease of start-up, and flexibility of installation distinguish between packages. In the case of QuickSet, the designers have created an easy-to-use and graphically appealing, integrated software package.

In fact, we were able to start QuickSet and set up a sample calendar, phone directory, and even operate complex business calculations without having to refer to the documentation.

When questions do arise, however, the documentation that comes with QuickSet is simple to understand. Specific information is easily found because of a superior cross-indexing method.

We also tested QuickSet's telephone-support line and found the gentleman who answered to be courteous and well informed.

QuickSet's start-up screen is a graphic representation of a typical executive's desk complete with calculator, telephone, clock, calendar, notepad, phone directory, and a set of keys.

Using these icons as a map you can very easily step through the installation of the system on your application disks. All or any selection of QuickSet functions can be quickly installed on any disk. They will then be ready to use whenever needed without having to exit the application in which you are working.

QuickSet excels at communicating via icons and little touches that show a real understanding of the way people work. For example, not only are you provided with a calendar that details day, month, and year, plus half-hour segments, but you are also offered a notepad on the calendar with plenty of space to elaborate on appointments and events.

To the left of the calendar are icons that allow you to graphically represent on each day the category of activity scheduled. These icons clearly represent events such as sales meetings, dental and medical appointments, sporting events, or even vacation days. The calendar allows you to retrieve appointments by the hour, day, month, or even by specific icon.

For example, if you need to know how many sick days you have taken in 1984, you'd be able to retrieve this information with ease. You may also integrate this information into other documents, or print out copies of the calendar to take along while traveling.

QuickSet also has a fine notepad and filing system with some editing capabilities. The design of this module allows you to jot down ideas, outlines, and to-do lists. Again, through the use of creative icons you can retrieve notes by subject category.

We tried using this module as a free-form outline processor. It was possible, but slower than using a package like Living VideoText's ThinkTank. The editing capability of this module is rudimentary, but adequate for manipulating notes. To

the manufacturer's credit the note filer is not billed as a word processor.

One of the most useful modules in the system is the business calculator. It allows much faster calculations than with handheld models, and offers some very sophisticated functions.

You can quickly figure things like internal rates of return, discounted cash-flow analysis, depreciation calculations, mortgage yields, interest-rate conversions, statistical means, standard deviations, and more.

The calculator fills the entire screen and allows you to see computations clearly. The calculator can also be called up in a window and used in an integrated fashion. For example, if we were writing a letter using MacWrite and needed to calculate an expense-form total, we could simply call up the QuickSet calculate function, do the math, close the function, and write the totals into the letter—all without leaving MacWrite.

QuickSet also includes a desk directory and phone book. The electronic "cards" are offered up one at a time, and are formatted with entry blanks for common information. If this format isn't right for your application you may change the parameters. Information can then be quickly retrieved by name, address, phone number, subject, or icon.

QuickSet includes a security feature as well, called Encryptor. In essence, this allows you to lock away any confidential files, addresses, or data. Encrypted files can then only be recovered through an assigned password. It's easy to use and a necessity if you use your notepad for sensitive information.

In all, QuickSet performed well. As with most Macintosh packages the product ran slowly on the 128K Macintosh and much more quickly on the 512K.

—Ted Leonsis

Available now; \$99 retail

EnterSet; 410 Townsend, Suite 408B;  
San Francisco, Calif. 94107; 415-543-7644





# Maxell Gold.

The 3½" microdisk  
that gives Macintosh™  
more to chew on  
and helps the  
HP® Touchscreen PC  
tap your deepest  
memories.

Whether you're in search of primeval wisdom, or polishing up financial projections, Maxell makes the Gold Standard microdisk for your computer. In fact, there's a Gold Standard for virtually every computer made. Maxell floppys are industry leaders in error-free performance. Each comes with a lifetime warranty. And each microdisk is perfectly compatible with your 3½" drive.

**maxell**  
IT'S WORTH IT.®

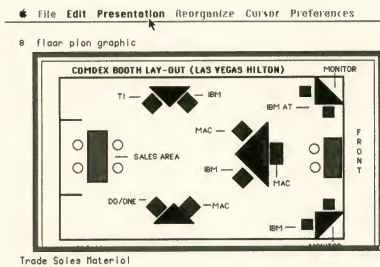
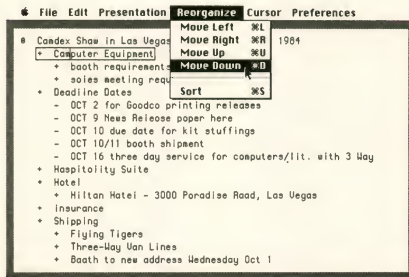


Macintosh is a trademark licensed to Apple Computer, Inc.



# ThinkTank 512

Outline processor with word processing and graphics



System Requirements: 512K Macintosh.

Living Videotext says ThinkTank 512 is an "idea processor." This means, according to the package, that it is "an outline processor with integrated word-processing and graphics capabilities."

In fact, its word-processing capabilities are quite rudimentary, and while it can import graphics from other programs it cannot create its own.

ThinkTank has been around in various forms for more than a year, and independent reports have turned up testimonials from an impressive variety of professional people who use it for planning, brainstorming, word processing, compiling bibliographies and footnotes, making sense out of research notes, designing computer games, and organizing their personal mess.

ThinkTank 512 allows you to create a traditional outline with headlines, subheads, additional subheads below them, and so on. The outline hierarchy is indicated by indentation since the traditional Roman-numeral/capital-letter approach

would make a mess when you start rearranging things. Under any headline or subhead you can insert text or, through the scrapbook, graphics from another program.

This much you could do with MacWrite, but the real power of ThinkTank becomes evident when rearranging and reorganizing bits, pieces, and entire sections of the outline. The program's most useful feature is that it allows you to "collapse" the outline, selecting only the headlines and subheads you wish to display.

You can collapse or expand sections of the outline independently, or display the entire outline at once. This is particularly useful for long, complex documents.

ThinkTank's most powerful commands are designed for reorganization. When you move a headline or subhead, all subordinate sections move with it.

You have several options here. You can drag headlines with the mouse, use keyboard commands or pull-down menus, or cut and paste. Because everything lower—or deeper—in the outline tree moves along with the headline you have selected, ThinkTank is a remarkably flexible tool for organizing. No word processor can match it.

To insert text or graphics into an outline, you open a window beneath a headline or subhead. The windows are initially inset on the screen, but they can be adjusted to any size. The program allows only one window open at a time, and it must be collapsed before working on another section of the outline.

A slide-show feature allows flipping through all the windows or just those in a certain section of the outline. The speed of the slide show is adjustable, and may be set to stop after each window. In the latter case, a click of the mouse calls up the next window.

A single text window will hold up to 32K, which translates to 15 or 20 pages. The maximum outline size is 270K. You can use the search command to find key words wherever they occur, and windows open automatically as you come to those that contain the key words.

ThinkTank 512's word processor is extremely fast. The commands are limited, however. You can select lines or words by clicking the mouse, search and replace, cut

and paste, and copy. The program also uses command/

number key combinations for a full complement of cursor controls. There are no other editing commands and no tab stops. To indent you have to use the space bar.

It is possible to transfer a ThinkTank outline to MacWrite or WORD for further work since ThinkTank 512 is not really designed to be a high-powered word processor. Its strength is in creating outlines, and this emphasis is carried over to the program's print options. ThinkTank 512 will print a lovely outline with boldface heads, full Macintosh graphics, and even a table of contents. The program allows printing all or just part of an outline.

Print options are limited. The print-options menu does allow ThinkTank 512 to be used as a word processor, however. All of the headlines can be suppressed, printing only the text and graphics windows. Your choices are limited to setting margins, line spacing, headers, and footers. The program does not include justification, centering, boldface, superscripts, subscripts, or some other features commonly found on word processors.

Many professional writers could use it to advantage. John McPhee of *The New Yorker* is one. He arranges and rearranges his topics on a bulletin board until he's satisfied with the structure of an article, scissors his notes into thousands of fragments, then consigns each topic to a file folder. He's one of the best nonfiction writers around, but ThinkTank has got to be quicker and easier than his system.

By the time you read this, programs that combine outlining with full-scale word processing and other applications may be available for the Macintosh. They will probably be considerably more expensive. It bears repeating that, within its limits, ThinkTank 512 is very good at what it does.

—Steve Adams

Available now; \$245 retail  
Living Videotext; 2432 Charleston Rd.;  
Mountain View, Calif. 94043; 415-964-6300



# Now Delivering!



**NEW!**  
**RGS**  
**FILE+™**

## RELATIONAL DATABASE SYSTEM for your **Macintosh Computer**

RGS FILE+ makes data on your Macintosh easier to manipulate!  
Now available through local computer dealers everywhere, FILE+ presents you with options to add, delete, or modify data; to combine, intersect it, select from it, and more! This user-friendly software package is menu-driven and offers you new, exciting ways to approach your database. On-line help, text editor, a security system, and graphic features including pie charts, bar charts, and graphs, along with an option to print, make FILE+ a flexible, necessary addition to your software library. Contact your local computer dealer or Rio Grande Software directly for FILE+ today.

**NEW VERSION**

**RGS**  
**SOFTMAKER II™**

## DATABASE MANAGEMENT SYSTEM for your **Macintosh Computer**

RGS SOFTMAKER II (New Version) makes managing your database as easy as managing your Macintosh!

Rio Grande Software, Inc., is proud to provide you with SOFTMAKER II, a user-friendly database management system complete with windows, pull-down menus, and buttons. Written in Microsoft BASIC, this menu-driven software package helps keep files orderly with simple add, change, and delete functions. SOFTMAKER II also features on-line help, password protection on data and structural files, a key field, and automatic totalling of numeric columns with accuracy up to 14 digits. RGS SOFTMAKER II is available now to make managing your database simply a pleasure! Contact Rio Grande Software or see your computer dealer today for literature and information about Rio Grande Software's complete line of software packages.



**RGS** **RIO GRANDE  
SOFTWARE, INC.**

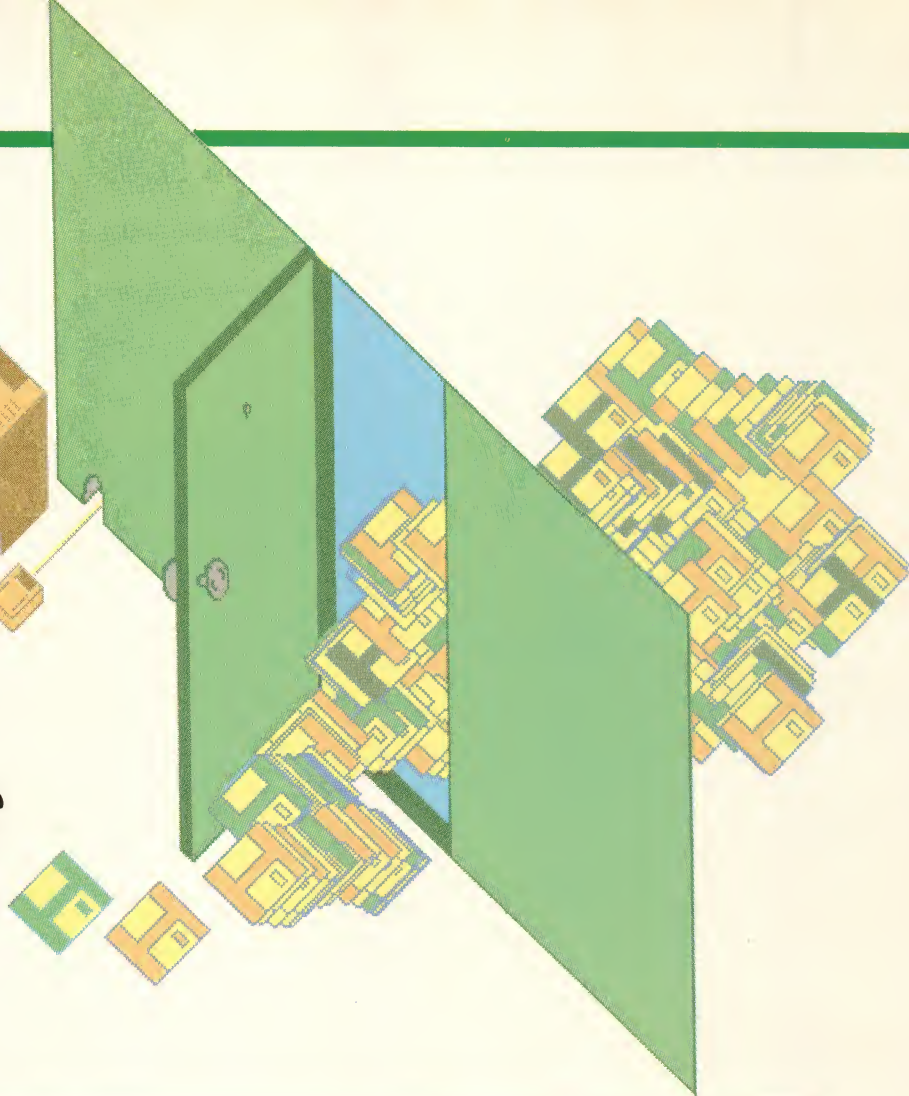
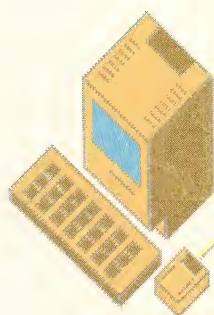
221 Nolana • Post Office Box 5906 • McAllen, TX 78504  
Outside Texas 1-800-527-1121, Ext. 2785/Inside Texas 1-800-292-1031, Ext. 2785

RGS, FILE+, and SOFTMAKER II are registered trademarks of Rio Grande Software, Inc. Microsoft and Microsoft BASIC are registered trademarks of Microsoft Corporation. Macintosh is a registered trademark of Apple Computer, Inc.



Here are descriptions of  
Macintosh software released  
since the Spring  
1985 edition of *The  
Macintosh Buyer's  
Guide*. All information  
has been  
provided by  
the vendors or  
manufacturers.

# Software Premiere



## ACCOUNTING

### Auto Accountant Business Series Accounting

*System Requirements: 512K Macintosh.*

The Auto Accountant Business Series currently consists of the following three programs: General Ledger, Accounts Receivable, and Accounts Payable. Each

program can stand alone or be integrated with another in the series.

The General Ledger is a double-entry system that allows transactions to be recorded, posted, and archived; creating an audit trail. It can also be used to produce a balance sheet, income statement, and special reports.

Accounts Receivable is designed for businesses that send invoices and statements to customers. It shows the status of an account at any time. Reports produced with this module include unbilled invoices, unpaid invoices, paid invoices, an aging analysis of unpaid invoices, and a monthly summary statement of sales and payments received.

Accounts Payable can be used to write checks and maintain a check register. It maintains a record on each supplier or vendor, and has a check-writing function that can be used to calculate and make payments in one of the following ways: by vendor, invoice or credit memo, and/or

specific check for immediate payment.

Stylo Software, Inc.  
PO Box 916  
Idaho Falls, Idaho 83402  
208-529-3210  
Retail Price: \$195 Each  
Available now: General Ledger  
Release Date: Third quarter, 1985: Accounts Receivable and Accounts Payable

### In-House Accountant Accounting

*System Requirements: 128K or 512K Macintosh.*

The In-House Accountant is a small-business accounting program that incorporates a general ledger, accounts payable, and accounts receivable into one package.



It features search, retrieval, and edit of transaction information, and it also provides users with bar graphs, pie charts, and trend-line analysis.

In addition, In-House Accountant offers on-line help that explains any term or procedure used in the program, and flags items for any purpose including taxes.

It can be used to perform a bank reconciliation or maintain a transaction history, and it sends all reports to the computer's screen, disk, or printer. The program can also be used to print balance sheets, income and expense summaries, checks, and mailing labels.

Users of the In-House Accountant can also search accounts by name or account number, and the program allows transactions to be split into 18 different accounts.

Finally, the program uses the standard 1,000 to 8,999 account-numbering system, maintains up to 500 customer/vendor names, and creates DIF files for use with spreadsheet programs.

United Software Industries  
1880 Century Park East, Suite 311  
Los Angeles, Calif. 90067  
213-556-2211

Retail Price: \$179.95

Available now

## Palantir Financial Series

### Accounting

*System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft BASIC.*

The Palantir Financial Series, designed to handle accounting functions in a small to moderate-size business, is made up of three separate software packages: General Ledger, Inventory Control, and Accounts Receivable.

The Palantir General Ledger is modeled after a traditional general ledger. Special features include the ability to maintain up to 9,999 general-ledger accounts, depending on disk capacity; the production of trial-balance reports, expense reports, and financial statements; a chart of accounts that can

be customized to suit requirements; and more.

Palantir Inventory Control records relevant details concerning merchandise and the movement of the same. These details include selling prices, current average cost, returns, transfers, adjustments, and a gross margin analysis. It can also be used for batch totaling and preparing reorder reports, price lists, and so on.

Palantir Accounts Receivable keeps track of who owes what and for how long. Special features include open-item or balance-forward account types or a combination of the two; standard statement and order forms, which can be styled to match a company's specifications; sales-analysis reports by customer, salesperson, branch, product, etc.; and compatibility with the General Ledger.

Palantir Software  
12777 Jones Rd., Suite 100  
Houston, Texas 77070  
713-955-8880 or 800-368-3797  
Retail Price: \$145 each  
Available now

## ZAP!Invoice

### Accounting

*System Requirements: 128K or 512K Macintosh.*

ZAP!Invoice allows users to log and print invoices for any type of business, and establish categories for each type of product sold such as equipment, services, nontaxable, and repair.

It can also be used to print out daily and monthly reports, and all totals can be carried forward into the next month.

A built-in ASCII file option allows the transfer of data to other programs for use in a spreadsheet, general ledger, and/or data base.

Aegis Development, Inc.  
2210 Wilshire Blvd., Suite 277  
Santa Monica, Calif. 90403  
213-306-0735  
Retail Price: \$99.95  
Available now

## GRIDS

### Grids, scales, rulers, charts

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.*

GRIDS is a two-disk collection of MacPaint templates, consisting of grids, protractors, prefab charts, and patterns, that can be used with MacPaint to construct other grid formations that can be displayed on screen for drawing or graphing, or printed out and used as graph paper.

A collection of scales and rulers, drawn in inches, fractional inches, and pixels and arranged horizontally, vertically, and on a 45-degree angle, is also included in the program.

The prefab charts found in GRIDS can be used to construct professional-looking charts that can be printed out for use in memos, reports, and business presentations.

Forms that facilitate the production of X-bar charts, R charts, and others are also included. And the program contains a blank Ishikawa (fish bone or herringbone) diagram that can be used on screen or on paper to identify cause-and-effect relationships in a production process.

Soft Wares, Inc.  
19 Monroe Dr.  
Williamsville, N.Y. 14221  
800-848-5500 or 800-447-5500, ext. 50  
Retail Price: \$38  
Available now



# The first library

We've written more Macintosh programs than any other software company:

Microsoft® Multiplan®, Microsoft File, Microsoft Word, Microsoft BASIC and Microsoft Chart.

But we can't write everything.

So when we find something really excellent out there, we publish it.

**Every program has to sweat out an interview.**

Because we've begun to build up an impressive body of Macintosh work, we founded Microsoft MacLibrary™ programs to house them.

Programs for business, for learning, for fun.

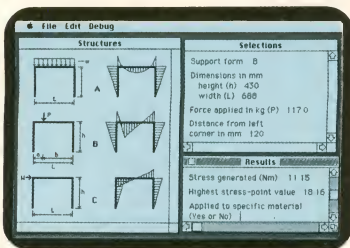
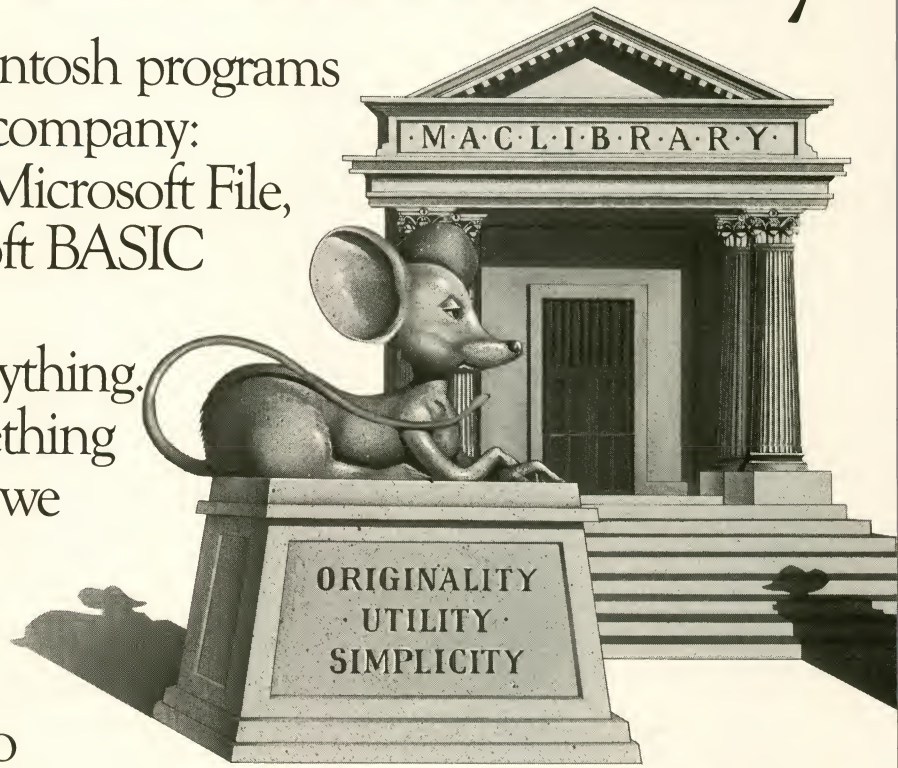
And these disks can't just roll in off the street. Each program has been exhaustively reviewed, previewed, and scrutinized.

We look for highly original, highly useful programs that are easy to learn and use.

## Our first releases.

The renowned programming language, Logo, has now come to Macintosh. A mainstay of university curriculums,

Logo teaches programming concepts, techniques, and problem solving strategies. And it makes it all fun to boot. Intriguing enough to challenge even an advanced programmer—or motivate a child—this is Logo's latest

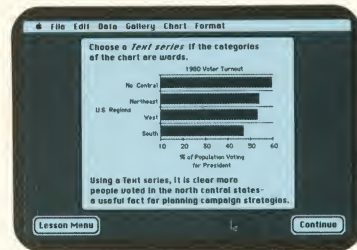
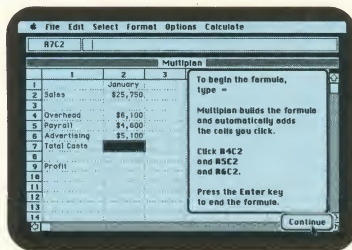
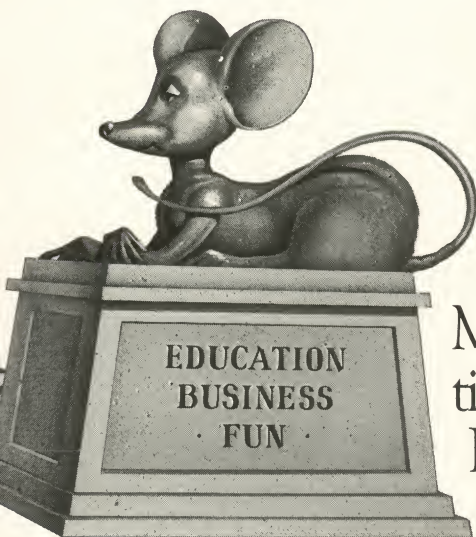


Logo by Logo  
Computer Systems Inc.



# dedicated to Macintosh.™

generation. And it takes full advantage of all of Mac's easy to use features.



Learning Microsoft Multiplan®  
and Microsoft Chart by Micro Courseware Corp.

Learning Microsoft Multiplan and Microsoft Chart is a superb interactive instructional program by Micro Courseware Corp.

It walks you through the basics and into the intricacies of these sophisticated business tools. Teach yourself quickly and simply how to produce presentation quality graphics. As well as what-if projections, portfolio managers, and financial models.

**MICROSOFT**  
The High Performance Software™

Finally, there's Entrepreneur™ by Harvard Associates. You're in the software business, competing against one to eight other capitalists of either the human or computer persuasion. With 36 months to boom or bust, prosper or squeak through.

## Check out a few programs.

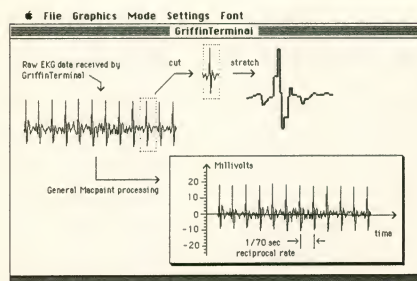
For a list of your nearest dealer stocking MacLibrary software, just call (800) 426-9400. Or in Washington State, Alaska, Hawaii and Canada, call (206) 828-8088. We think you'll be impressed. Because making it into MacLibrary speaks volumes.

# MICROSOFT



## GriffinTerminal

Communications; text, graphics



*System Requirements: 128K or 512K Macintosh.*

GriffinTerminal converts a Macintosh into a text/graphics terminal. According to its maker, it was designed with the belief that a Macintosh's power can be enhanced when serving as a window to a host computer or network.

General features of the software include Tektronix 4012 compatibility for both line drawings and mouse interrogation, and support of direct cursor addressing and line blanking necessary for Unix "vi" editing. A host computer can also access a Macintosh's Quickdraw routines for rapid animation and graphics.

A Print Next menu option prints all host characters including printer bit-mapped commands, and chain printing from the Macintosh desktop allows the printing of transferred documents.

Various baud rates, such as 300, 1,200, 2,400, 9,600, 19.2K, and 38.4K, are menu selectable.

GriffinTerminal screens can be turned into a MacPaint document, text files can be embellished with MacWrite, all files can be sent back to a host after processing, and much more.

The program is primarily for academic applications.

Metaresearch, Inc.  
1100 SE Woodward  
Portland, Oreg. 97202  
503-232-1712  
Retail Price: \$89  
Available now

## GriffinTerminal 100

Terminal emulation

*System Requirements: 128K or 512K Macintosh.*

GriffinTerminal 100 allows a Macintosh to emulate either a Tektronix 4012 Graphics Terminal or a VT 100 terminal when linked to a mainframe or host computer. Operation in either mode can be selected directly from the program's Modes menu.

Parameters common to each terminal, such as baud rate or screen background, are independently maintained for the two terminal types. The particular setting for a terminal comes into effect when that terminal type is chosen.

For instance, if screen background is white in Tek 4012 mode and black in VT 100 mode, then changing from Tek 4012 to VT 100 causes the computer's screen color to reverse. Consequently, selecting 9,600 baud for Tek terminal operation, then 4,800 baud for VT 100, and switching from VT 100 to Tek changes the working rate from 4,800 to 9,600 baud.

The following parameters, however, are common to both terminal types: window size, Print Next/Stop Print, Receive Next/Stop Receive, Enable/Disable Screen, Graphics/Hex/Text Transfer, Local/Remote mode, and Enable/Disable AutoXon.

Several parameters and operations in VT 100 mode are different, and others are not supported at all due to physical differences between the Macintosh and a VT 100 terminal. Parameters and operations not supported include: Power, Screen Brightness, Confidence Tests, Column mode, Identify Terminal, Interlace, Load LED's, and Scrolling mode.

Metaresearch, Inc.  
1100 SE Woodward  
Portland, Oreg. 97202  
503-232-1712  
Retail Price: \$99  
Available now

## Mac2624

Terminal emulation

*System Requirements: 128K or 512K Macintosh.*

Mac2624 is a Hewlett-Packard HP 3000 terminal emulator for the Apple Macintosh that is compatible with all HP applications and emulates the capabilities of an HP 2624 block-mode terminal.

In emulation mode, however, the software allows a Macintosh to retain its full complement of pull-down menus and command keys for screen editing, mode selection, and terminal control; dialogue boxes for port configuration and user keys; and mouse-actuated cursor positioning, scrolling, and function-key entry.

In addition, Mac2624's file-transfer facility lets users pull HP 3000 files into Macintosh applications for word processing, graphics, spreadsheets, etc. Depending on the application, data can then be transferred back to an HP 3000.

Multiple-copy discount pricing is available from the manufacturer upon request.

Tymlabs Corporation  
211 East Seventh St.  
Austin, Texas 78701  
512-478-0611  
Retail Price: \$149  
Available now



## MAC/3000

### Terminal emulation

*System Requirements: 128K or 512K Macintosh.*

MAC/3000 allows an Apple Macintosh to emulate the functions of Hewlett-Packard's HP 3000 2624A terminal. According to its manufacturer, MAC/3000 is the first software product on the market to offer this capability.

The program is designed to let a business acquire a Macintosh and peripherals for slightly more than the cost of the least-expensive HP terminal, but with increased functionality; give employees a micro that can be used for both data and word processing; and allow existing HP software to run without any modifications.

All major 2624 functions are supported with the following additions: upward and downward file transfers, local editing using any Macintosh word processor or text editor, and printing with either the Apple Imagewriter or LaserWriter printers.

Other program features include both block and conversational modes; on-screen, function-key labels; a menu-driven terminal configuration; mouse cursor positioning; use of the full Macintosh user interface; and more.

A Macintosh running MAC/3000 can be linked to a Hewlett-Packard host computer via a modem or a direct connection. Communications speeds range from 300 to 9,600 baud.

DPEX, Inc.  
200 Brown Rd., Suite 201  
Fremont, Calif. 94539  
415-651-3739  
Retail Price: \$149  
Available now

## MacDasher

### Terminal emulation

*System Requirements: 128K or 512K Macintosh; or a Macintosh XL running MacWorks XL.*

MacDasher simulates the operation of a Data General D210 terminal on a Macintosh. All D210 screen attributes—except blinking—are supported.

MacDasher also incorporates the complete Macintosh user interface and offers file-transfer capabilities.

Other program features include: support of all keyboard characters, direct cursor addressing, and control codes; support of special keys such as function keys and cursor controls, through pull-down menus and keyboard combinations; and the inclusion of Macintosh desktop accessories and screen dumps to a printer or to MacPaint files.

MacDasher can also send and receive text files to or from a host computer, and allow downloaded files to be edited via MacWrite—or another Macintosh word processor—and uploaded back to the host.

In addition, both Macintosh serial ports can be configured separately for baud rate, parity, stop bits, data word length, and Xon-Xoff handshaking; a synchronizing technique using two signals.

Kaz Business Systems  
10 Columbus Cir., Suite 1620  
New York, N.Y. 10019  
212-757-9566  
Retail Price: \$49  
Available now

## MacMail

### Telecommunications

*System Requirements: 128K or 512K Macintosh.*

MacMail allows business or home users to send or receive electronic mail, such as data and program files, automatically.

The program interacts with the AppleTalk Personal Network and other networks, and comes with the following features: unattended calling and log on; auto dial; sending electronic mail at night, when rates are lowest, unattended; auto redial when a busy line is detected; and auto answer and file receive, which permits a Macintosh to receive mail when a user is out of the office or not at home.

Additional program features include a name and address book with telephone listings; an ASCII file-transfer mode, which can send ASCII or Macintosh files; a batch send mode that allows a user to send more than one file at a time; a network mail feature, which allows messages or files to be sent to other workstations on an Apple network; and support of 2,400-baud modems.

Aegis Development, Inc.  
2210 Wilshire Blvd., Suite 277  
Santa Monica, Calif. 90403  
213-306-0735  
Retail Price: \$99.95  
Release Date: June, 1985



## Market Link

### Investor communications

*System Requirements: 128K or 512K Macintosh. Special Requirements: Modem.*

The Market Link is a complete communications program designed for either the stock market investor or professional analyst. Using a unique alarm-clock feature, The Market Link will automatically fetch quotes from the Dow Jones News Retrieval Service for up to 120 securities at up to 8 user-defined times during any 24-hour period.

Quotes may also be fetched on demand using a "Fetch Now" feature. All quote data is stored to disk for later review. Quotes may also be transferred automatically to Multiplan or other applications that accept clipboard input.

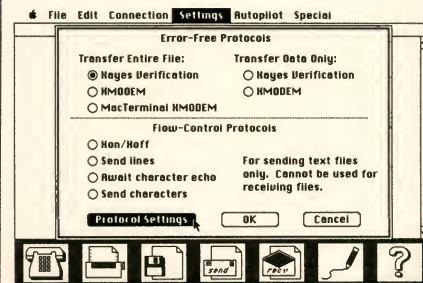
The Market Link provides a complete terminal mode for easy access to both Dow Jones and The Source. The program performs the complete auto-dial/logon procedure to both services. When in terminal mode, the user has dynamic control over both the printer and receive file for downloading data into the Macintosh.

The Market Link requires an Apple, Hayes, or Hayes-compatible modem.

Smith Micro Software, Inc.  
PO Box 7137  
Huntington Beach, Calif. 92615  
714-964-0412  
Retail Price: \$85  
Available now

## Smartcom II

### Telecommunications



*System Requirements: 128K or 512K Macintosh. Special Requirements: Modem.*

Smartcom II is a data-communications program that has been redesigned to incorporate the graphic user-interface concept found on the Macintosh. The program uses symbols representing commonly used items on a desktop.

SmartCom II supports the Hayes Smartmodem 2400 for data transmission at 2,400 bits per second (bps), or for sending data via other Hayes modems at 1,200 or 0 to 300 bps. The transmission rate can be increased to 19,200 bps when two computers are directly connected.

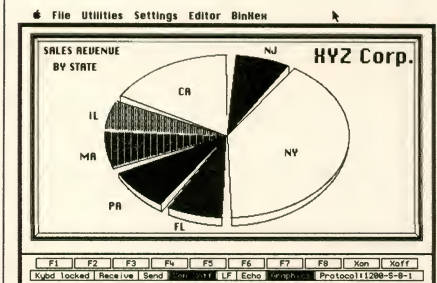
Smartcom II can receive or send a file of any size providing the file will fit on a disk, and incoming data can be stored on a disk or printed while being displayed on screen.

The program has both Hayes Verification Protocol and XMODEM protocol. It also includes all log-on procedures needed to access The Source, CompuServe, Dow Jones News/Retrieval, and other electronic data bases.

Hayes Microcomputer Products, Inc.  
5923 Peachtree Industrial Blvd.  
Norcross, Ga. 30092  
404-441-1617  
Retail Price: \$149  
Available now

## Telescope

### Graphic telecommunications



*System Requirements: 128K or 512K Macintosh. Special Requirements: Modem.*

Telescope allows a user to send messages composed of various text sizes, fonts, and graphic shapes. The latter may be sent via electronic mail or placed on any information utility such as CompuServe, The Source, or any electronic bulletin board.

Telescope includes an on-screen directory that lists frequently called phone numbers. They may be selected via the computer's mouse and automatically dialed—individually or sequentially—using the program's auto-scan function.

The program also features "intelligent" macros that automate operations such as log-on, password entry, and menu selection; a universal terminal emulator that can emulate any conventional terminal; and an unattended message service where callers may leave and pick up messages. All popular modems are supported.

Telescope business uses would include the transmission of sales charts and advertising layouts.

Mainstay  
28611B Canwood St.  
Agoura Hills, Calif. 91301  
818-991-6540  
Retail Price: \$125  
Available now



## Animation Toolkit #1 Advanced

Moving images; movies

*System Requirements: 128K or 512K Macintosh.*

Animation Toolkit #1 Advanced is an enhancement of the Animation Toolkit #1 software package, which let a user create a "movie" frame by frame. Toolkit #1 Advanced offers more advanced sound and sequence capabilities than the original, and images can still be pasted from MacPaint, an image digitizer, etc.

The software also gives a user almost 200 frames to work with on a 128K Macintosh. That number increases to more than 3,000 on a 512K Mac, and playback speed is controllable from 35 frames per second to as slow as necessary.

Drawing tools such as ovals, rectangles, and lines can be used together with pull-down menu items such as Paste Add, Paste Subtract, Flip Vertical, Flip Horizontal, Rotate, Invert, and Distort to create more interesting and accurate movies.

Toolkit #1 Advanced includes an application for converting animation files into fonts, making them accessible from any programming language. Suggested program uses include advertising, education, and entertainment.

Ann Arbor Softworks, Inc.  
308½ South State St.  
Ann Arbor, Mich. 48104  
313-996-3838  
Retail Price: \$69.95; or \$20 to owners of Animation Toolkit #1  
Available now

## Animation Toolkit #2

Background images; movies

*System Requirements: 128K or 512K Macintosh.*

Animation Toolkit #2, one of a trio of software packages that allow a user to make animated movies, includes all the features of Animation Toolkit #1, and adds paths and backgrounds that animations in a particular movie can move across.

Animation Toolkit #1, of course, allows a user to create, edit, and animate movies on a Macintosh frame by frame. An updated version of the program, Animation Toolkit #1 Advanced, adds enhanced sound and sequencing capabilities to the original package.

Toolkit #2 gives a user control of all elements making up an individual frame in a movie. These elements include sound, foreground animation, and background image.

In addition, Toolkit #2 may surpass the educational and entertainment applications of its sister packages, and become a more useful tool for presentations, storyboarding, and other graphic-arts and production needs.

Ann Arbor Softworks, Inc.  
308½ South State St.  
Ann Arbor, Mich. 48104  
313-996-3838  
Retail Price: \$139.95 or \$69.95 to owners of Toolkit #1 Advanced  
Available now

## ConcertWare

Music software

*System Requirements: 128K or 512K Macintosh.*

ConcertWare allows you to compose music on the Macintosh and contains three separate applications: Music Writer, InstrumentMaker and Music Player.

Music Writer lets you create and edit musical scores just like a word processor lets you create word documents. It will also print the scores in a variety of formats in high-resolution, professional-quality sheet-music form.

InstrumentMaker allows you to design the types of sounds or "instruments" you wish to perform your composition. This function gives you complete control over the instrument sound being created. The package comes with 34 predefined instruments such as the violin, harpsicord, oboe, harmonica, guitar, alto sax, and piano.

Music Player links all the ConcertWare programs together and plays the music you have created using the Macintosh's four-voice synthesizer. You select the piece of music and assign an instrument to each. Instrument icons are displayed around the Conductor and by selecting your instrument icons you can play your own concert. The Player also allows you to play up to two hours of prerecorded musical selections.

Great Wave Software  
PO Box 5847  
Stanford, Calif. 94305  
415-852-2280  
Retail Price: \$49.95  
Available now



# We're short

## Out of stock? Out of mind?

Five score and a month or so ago, MacConnection entered the brand new Macintosh market with the claim that we would never advertise a product until it was on our shelves. That's because we didn't, and still don't want you to get all excited about some snazzy software or hardware solution that is delayed, or never gets out of the manufacturer's door. Too many products are announced that just don't appear. So when you see a product on our list you know that it's available and we've checked it out.

Occasionally, we are indeed out of stock of an existing product. Why? Usually one of two reasons. Either there is a new version coming and we think you're better off waiting for it. Or, favorable publicity has caused us to sell something faster than we expected. If we run out of a product, rest assured, we'll get it to you as fast as possible, and can usually give you a pretty firm delivery date.

By the way, we're still sending a complimentary copy of the Macintosh Buyer's Guide to everyone who places an order totalling over \$50.

## SOFTWARE

### Ann Arbor Softworks

Animation Toolkit 1 ..... \$36.  
Create, edit, and animate pictures.

### Apropos

You must have Multiplan to use.

Tax Planner ..... 35.  
Personal tax preparation.

Financial Planning ..... 65.  
Home budget, tax, auto., life insurance.

Investment Planning ..... 65.  
Stocks, real estate, loans, IRA vs. CD's.

### Arrays/Continental

Home Accountant ..... 61.  
Financial planner for your Mac.  
External drive required with 128k Mac.

### Assimilation Process

MacTracks ..... 23.  
Store up to 5000 characters on any one key.

Lock-It ..... 23.  
Limit access to your files.

Mac-Memory-Disk ..... 23.  
Access more memory in your 512k Mac.

Mac-Spell-Right ..... 59.  
Requires version 3.3 or later of MacWrite.

### Axlon

Art Portfolio ..... 37.  
120 drawings await your creative desires.

Card Shoppe ..... 37.  
Make professional quality greeting cards.

### Computer Software Design

MacLion ..... \$219.  
Relational database manager.  
External drive recommended.

### Creative Solutions

MacForth - Level 1 ..... 89.

MacForth - Level 2 ..... 139.  
Level 2 includes an assembler,  
floating point, and advanced graphics.

### Desktop Software

1st Port ..... 55.

Communicate with other micros,  
mainframes, and public data bases.

1st Merge ..... 55.

Data-entry and mailmerge, labels.

1st Base ..... 105.

### Dilithium Press

PC to Mac & Back ..... 89.

Communication between IBM PC and Mac.

### Dow Jones

Straight Talk ..... 49.

Information services at your fingertips.

Spreadsheet Link ..... 61.

Must have Multiplan, modem and  
Dow Jones Straight Talk.

Market Manager PLUS ..... 125.

Track portfolio information.

### Enterset

QuickSet ..... 65.  
Icon-driven true accessory with powerful  
calculations.

### 1st Byte

Smooth Talker ..... 89.

Voice synthesis software for the Mac.

### Forethought

Factfinder ..... 89.

Free-form entry.

### Harvard Associates

MacManager ..... 32.

Business simulation.

Desktoppers ..... 32.

Four new desk accessories.

### Hayden Software

DaVinci Buildings ..... 31.

DaVinci Interiors ..... 31.

DaVinci Landscapes ..... 31.

DaVinci Building Blocks ..... 46.

DaVinci Commercial Interiors ..... 120.

I Know It's Here Somewhere ..... 39.

Get organized with this foolproof filer.

Musicworks ..... 46.

Hayden:Speller ..... 47.

For MacWrite and Microsoft Word.

Score Improvement System for the SAT ..... 59.

College entrance-exam study guide.

Ensemble ..... 179.

Database, calculations, graphics and more.

### Hippopotamus Software

Edit, compile, link, and execute C  
programs.

Hippo-C - Level 1 ..... 117.

Hippo-C - Level 2 ..... 297.

### Human Edge Software

Mind Prober ..... 31.

The Communications Edge ..... 113.

The Management Edge ..... 129.

The Sales Edge ..... 149.

The Negotiation Edge ..... 179.

### Kensington

Graphic Accents ..... \$33.  
250 professional illustrations, business  
to holiday themes.

Professional Type Fonts for Text ..... 33.

12 to 24 point fonts.

Professional Type Fonts for Headlines ..... 45.

24 to 72 point fonts, requires 512k.

### Layered

Front Desk ..... 89.

For organizing and scheduling your  
most important activities.

### Linguist's Software

Tech ..... 75.

Over 1000 symbols for scientific equations.

MacGreek Plus ..... 75.

Includes special symbols for Bible studies.

MacHebrew ..... 75.

Text reads left to right.

MacKana/Basic Kanji ..... 75.

Includes 70 of the most common Kanji.

MacGreek/Hebrew/Phonetics ..... 129.

Includes all extra symbols of  
phonetic alphabet.

### Living Videotext

ThinkTank 128k ..... 77.

ThinkTank 512k ..... 129.

### Magnum

McPic - Volume I ..... 31.

McPic - Volume II ..... 31.

The Slide Show Magician ..... 38.

### Manhattan Graphics

ReadySetGo ..... 89.

Interactive page makeup, requires 512k.

### Mark of the Unicorn

Professional Composer (requires 512k) ..... 289.

Create performance quality sheet music.

### Megahaus

Megamerge ..... 75.

Megafile ..... 119.

Megaform (requires 512k) ..... 175.

Design your own invoice, order forms,  
and more.

### MicroLab

Tax Manager ..... 115.

Examine different tax strategies.

### Microsoft

Entrepreneur ..... 32.

Competitive simulation of the software  
industry.

Chart ..... 75.

Basic (version 2.0) ..... 92.

Multiplan ..... 119.

File ..... 119.

Word ..... 119.

Business Pack ..... 389.

Includes Word, File, Chart, and Multiplan.

### Miles Computing

Mac the Knife - Volume 1 ..... 25.

Mac the Knife - Volume 2 ..... 29.

### Monogram

Forecast ..... 45.

Tax planning program.

Dollars & Sense ..... 82.

### Northwest Analytical

NWA StatPak ..... 279.

Statistical analysis, requires Microsoft  
Basic.

Organization Software

Omnis 2 (requires external drive) ..... 139.



# on prices and long

## Peachtree

Back to Basics General Ledger ..... \$85.  
Entry-level accounting system.

## ProVUE Development

OverVUE ..... 159.  
Database with powerful math capability.

## RealData, Inc.

Real estate and financial analysis templates.  
You must have Multiplan to use.

General financial analysis ..... 75.  
Commercial real estate development ..... 75.  
Residential real estate ..... 75.  
Income producing real estate ..... 95.  
On Schedule ..... 130.  
Tax Shelter Syndication Analysis ..... 195.

## Software Arts

TK!Solver ..... 149.  
An equation processing program.

## Software Publishing

PFS:File ..... 74.  
PFS:Report ..... 74.  
PFS:File/Report ..... 115.

## State of the Art

Electric Checkbook ..... 49.  
Keep your personal finances in order.

## Stoneware

DB Master ..... 119.  
Complete database management.

## T/Maker

Click Art Personal Graphics ..... 33.  
Click Art Publications ..... 33.  
Click Art Letters ..... 33.  
Click Art Effects ..... 33.  
Rotate, slant, distort and add perspective  
to your MacPaint drawings.

ClickOn ..... 47.  
Adds spreadsheet and grapher to  
any application.

## Telos Software

Filevision ..... 102.  
Unique graphic filing program.

## Think Educational

Mind Over Mac ..... 36.  
Five challenging games.

MacEdge ..... 36.  
Learning programs in math and reading.

## Videx

MacCalendar ..... 53.  
Includes a reminder system to alert you  
of important messages or notes.

## Warner Software

The Desk Organizer ..... 99.  
Complete desk management system.

## TRAINING

### ATI

MacCoach Training ..... \$49.  
Teach Yourself Multiplan ..... 49.

### Forethought

Typing Intrigue ..... 33.  
Typing instruction that features solving  
a mystery case.

### Palantir

MacType ..... 31.  
Supports Qwerty and Dvorak keyboards.  
MathFlash ..... 31.  
Math flash card drills.

### Scarborough Systems

Mastertype ..... 29.  
Typing program with arcade action.

### Simon & Schuster

Typing Tutor III ..... 31.  
Includes Letter Invaders.

## OUR POLICY

- We accept VISA and MASTERCARD.
- No surcharge added for charge cards.
- Your card is not charged until we ship.
- If we must ship a partial order, we never charge freight on the shipment(s) that complete the order.
- No sales tax.
- All shipments insured; no additional charge.
- Allow 1 week for personal & company checks to clear.
- UPS Next-Day-Air available.
- COD max. \$1000. Cash or certified check.
- 120 day guarantee on all products.\*
- To order, call us anytime Monday thru Friday 9:00 to 9:00, Saturday 9:00 to 5:30. You can call our business offices at 603/446-7711.

## SHIPPING:

**Continental US:** For printers and drives add 2% for UPS ground shipping. Call for UPS Blue or UPS Next-Day-Air. For all other items, add \$2 per order to cover UPS shipping. We will automatically use UPS 2nd-Day-Air at no extra charge if you are more than 2 days from us by UPS ground. **Hawaii:** For printers and drives, actual UPS Blue charge will be added. For all other items, add \$3 per order. **Alaska and Outside Continental US:** Call 603/446-7711 for information.

## GAMES

### Axlon

MacMatch ..... \$31.  
Match the squares and solve the  
hidden puzzles underneath.

### Blue Chip

Millionaire (stock market) ..... 37.  
Tycoon (commodities) ..... 37.  
Baron (real estate) ..... 37.

### BrainPower

Think Fast ..... 29.  
Improve your memory.

Chipwits ..... 31.  
Create your own robot. No programming  
knowledge required.

TeleChess ..... 41.  
Play chess over the phone. Modem  
required.

### Broderbund Software

Lode Runner ..... 26.  
Arcade style; attempt to recover stolen gold.  
Cyborg ..... 26.  
A sci-fi text adventure.

### CBS

Murder by the Dozen ..... 29.  
12 intricate mysteries.

### General Computer

Ground Zero ..... 26.  
Save the nation from enemy attack.

### Hayden Software

Masterpieces ..... 24.  
Turn your favorite drawings into a jigsaw  
puzzle.

Word Challenge II ..... 24.  
How many words can you find?

Sargon III ..... 31.  
The ultimate in computer chess.

### Infocom

You're a magician challenging the dungeon  
master, a detective solving a murder mystery,  
a scientist deciphering hieroglyphics, or just  
an ordinary mortal meeting the Wizard of Fro-  
bozz. (Difficulty levels shown in parenthesis)  
Seastalker (junior) ..... 25.  
Enchanter (standard) ..... 25.  
the Witness (standard) ..... 25.  
Planetfall (standard) ..... 25.  
Cutthroats (standard) ..... 25.  
Hitchhiker's Guide (standard) ..... 25.  
Zork I (standard) ..... 25.  
Zork II (advanced) ..... 29.  
Zork III (advanced) ..... 29.

1-800/Mac&Lisa 480B

# MacConnection™

MacConnection, 14 Mill Street, Marlow, NH 03456 800/622-5472 603/446-7711

© Copyright 1985 Micro Connection, Inc. MacConnection is a division of MicroConnection, Inc. MacConnection and Micro Connection are trademarks of Micro Connection, Inc.

All items subject to availability. Prices subject to change without notice.

\*Defective software replaced immediately. Defective hardware replaced or repaired at our discretion. Some items have warranties up to five years.

Circle 11 on Reader Service Card



# on service.

Infidel (advanced).....	\$29.
Suspect (advanced).....	29.
Sorcerer (advanced).....	29.
Deadline (expert).....	31.
Starcross (expert).....	31.
Suspended (expert).....	31.
<i>Invisicues (hint booklets) are available for any Infocom games. Specify game.</i>	
.....	7.
<b>Mark of the Unicorn</b>	
Mouse Stampede.....	23.
<i>Highly addictive.</i>	
<b>McCarron-Dial Systems</b>	
McFlip.....	21.
<i>Mac version of Reversi.</i>	
McTrivia.....	24.
<i>Animated trivia game.</i>	
<b>Miles Computing</b>	
MacAttack.....	29.
<i>3-dimensional tank simulation.</i>	
<b>Mirage</b>	
Trivia (new low price).....	19.
<b>Penguin</b>	
Transylvania.....	24.
The Quest.....	24.
Pensate.....	24.
<i>You can control the obstacles, but can you make it to the top of the grid?</i>	
<b>Priority Software</b>	
Forbidden Quest.....	27.
<i>A truly challenging sci-fi adventure.</i>	
Gateway.....	29.
<i>Sci-fantasy adventure.</i>	
<b>Scarborough Systems</b>	
Run for the Money.....	32.
<i>Best with 2 players.</i>	
Make Millions.....	32.
<i>Enter the world of high finance.</i>	
<b>Screenplay</b>	
Trivia Arcade.....	27.
<i>Sports, music, TV, science, and general.</i>	
<b>Sierra On-Line</b>	
Frogger.....	27.
Ultima II.....	37.
<i>The ultimate fantasy role-playing adventure.</i>	
<b>Silicon Beach Software</b>	
Airborne!.....	21.
<i>Works with either 128k or 512k Mac.</i>	
<i>Superb sound and graphics.</i>	
<b>Soft-Life Corp.</b>	
Mac-Slots.....	29.
<i>An electronic slot machine. Includes Keno.</i>	
<b>Videx</b>	
<i>Collection of familiar, entertaining, and challenging games.</i>	
Funpak.....	23.
MacCheckers/Reversi.....	29.
MacGammon/Cribbage.....	29.
MacVegas.....	35.

## HARDWARE

<b>Assimilation Process</b>	
MacDaisywheel-Connection.....	75.
MacTurbo-Touch.....	89.
<b>Compucable</b>	
Mac to Hayes Smartmodem cable.....	17.
Mac to Epson FX/RX printer cable.....	17.
<b>Cuesta Systems</b>	
Datasaver AC Power Backup.....	call
<i>Keeps Mac operating during line power interruptions or brownouts. 90 watts.</i>	

## Curtis Manufacturing

### SURGE SUPPRESSORS

<i>All surge suppressors have an on/off switch.</i>	
Diamond (6 outlets).....	\$33.
Emerald (6 outlets; 6 ft cord).....	43.
Sapphire (3 outlets; EMI/RFI filtered).....	53.
Ruby (6 outlets; EMI/RFI filtered; 6 ft cord).....	63.

## Epson

*All Epson printers have built in graphics capability. In addition, the "Plus" printers can print in near letter quality (NLQ) with the addition of the NLQ parallel or serial option.*

RX-100.....	call
FX-80 Plus.....	call
FX-100 Plus.....	call
JX-80.....	call
LQ-1500 (letter quality dot matrix).....	call

## Hayes Microcomputing

Smartmodem 300.....	149.
Smartmodem 1200.....	429.
<i>Compucable's Mac to Smartmodem cable 17.</i>	

## IOMEGA

Bernoulli Box.....	1397.
<i>5-megabyte storage for your Mac.</i>	
5-meg Cartridge.....	39.
Head Cleaning Kit.....	69.

## Kensington

Mac Dust Cover.....	10.
Imagewriter Cover.....	10.
Universal Printer Stand.....	19.
Swivel.....	23.
Disk Case (holds 36 Mac disks).....	23.
Surge Suppressor.....	35.
Starter Pack.....	54.
Control Center.....	65.
Modem (300 baud).....	99.

## Koala Technologies

MacVision.....	229.
<i>Digitize pictures or objects for reports, projects for use with video camera or other video source.</i>	

## Microcom

MacModem.....	399.
<i>Upgradeable to 2400 baud.</i>	

## Microsoft

MacEnhancer.....	165.
<i>Additional ports and terminal software.</i>	

## Superex Business Software

MacSpeak.....	15.
<i>External speaker for your Mac.</i>	

## Systems Control

MacGard.....	59.
<i>Surge and static protection, provides two outlets.</i>	

## DISKS

<b>Innovative</b>	
Flip & File (Holds 40 Mac disks).....	23.
<b>Pacific Wave</b>	
Flip Sort Micro (Holds 40 Mac disks).....	12.
<b>BASF</b>	
Disks 3½" Micro Floppy (Box of 5).....	18.
<b>Verbatim</b>	
Disks 3½" Micro Floppy (Box of 10).....	28.
<b>Sony</b>	
Disks 3½" Micro Floppy (Box of 10).....	31.
<b>Fuji</b>	
Disks 3½" Micro Floppy (Box of 10).....	31.

## Memorex

Disks 3½" Micro Floppy (Box of 10)....	\$31.
--	-------

## MAXELL

Disks 3½" Micro Floppy (Box of 10)....	31.
--	-----

## 3M

Disks 3½" Micro Floppy (Box of 10)....	35.
--	-----

## INFORMATION SERVICES

### Compuserve

Compuserve Information Service.....	19.
<i>Includes subscription, manual, 5 hours of connect time, and monthly publications.</i>	

## MISCELLANEOUS

### American Tourister

Mac Carrying Case (while they last)....	49.
---	-----

### Automation Facilities

Floppyclene (ten cleaning disks).....	25.
Refill Kit (ten disks).....	10.

### Computer Coverup

Mac & Keyboard (two covers).....	10.
Imagewriter Cover.....	8.
Wide Imagewriter Cover.....	8.
External Disk Drive Cover.....	4.

### Diversions

Underware Ribbon.....	11.
<i>Create iron-on transfers of your favorite Mac pictures. T-shirts, banners.</i>	
Underware Color Pens.....	11.
<i>Add colors to your iron-on transfers.</i>	
ColorPack.....	19.
<i>Includes one black ribbon and set of five color pens.</i>	

### Esoft Enterprises

ColorPrint.....	29.
<i>Allows MacPaint documents to be printed in color. Color ribbons not included.</i>	

### I/O Design

Imagewriter Transfer Ribbons.....	10.
<i>Available in black, red, blue and yellow.</i>	
Imageware.....	49.
<i>Padded Imagewriter Carrying Case with shoulder strap. Navy blue.</i>	

Macinware.....	69.
<i>Sturdy well-padded bag for the Mac, mouse, drive, keyboard, and accessories. Reinforced bottom.</i>	

### Innovative Technologies

CompuBag.....	59.
<i>Well-padded carrying case for your Mac and accessories. Reinforced bottom.</i>	
Easel.....	15.
<i>Folding diskette holder. Perfect companion with CompuBag, holds 20 disks.</i>	

### Kalmar Designs

Roll-top teakwood disk case. (holds 45 disks).....	19.
--	-----

### Microsoft

Apple-Mac Book.....	14.
Presentation Graphics Book.....	14.
MacWork/MacPlay Book.....	14.

### RAEX Enterprises

Mouse-Trap.....	8.
<i>A home for your idle mouse.</i>	

### Ribbons Unlimited

<i>Available in black, blue, brown, green, purple, red, and yellow.</i>	
Imagewriter Ribbon.....	5.
Imagewriter Ribbons Six Pack.....	28.
Imagewriter Rainbow Six Pack.....	28.
<i>Includes each color except black.</i>	



# Secrets of mail order revealed!

(Or, how to buy Mac products direct in 14 easy steps.)

## Who me?

Yes, you too can amaze your friends and confound your check-book by buying Mac add-ons and software directly from MacConnection. Here's how you do it:

STEP 1: Turn on Mac.

STEP 2: Roll mouse dreamily on your table while gazing out window.

STEP 3: Flip through this Buyer's Guide. Discover all kinds of things you want.

STEP 4: Think to yourself: "Gee, I wish this computer could (*select application of your choice*)."

Or, "Gee, I'd really like a (*select nifty little enhancement of your choice*)."

STEP 5: Think to yourself: "I've hocked everything I own to satisfy my

Mac obsession. I have to stop. I'm a sick person. I wonder if they have clinics for people like me. Maybe I'll start one."

STEP 6: Stumble unexpectedly upon this advertisement and the accompanying price list.

STEP 7: Exclaim with amazement. "Gosh! I can get products like Smooth Talker for only \$89 and Filevision for just \$102. This is just the medicine I need!"

STEP 8: Pick up phone and call MacConnection.

STEP 9: Ask about the products you see listed.

STEP 10: Ask about the products you've heard about that aren't listed. (We're adding new prod-

MICROSOFT Chart \$75,  
MultiPlan \$119,  
File \$119, Word \$119,  
BASIC \$92.

ucts every day. Just because you don't see it listed doesn't mean we don't have it.)

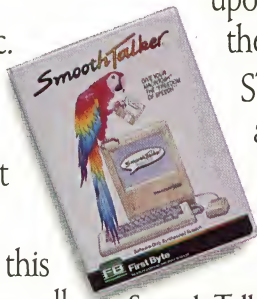
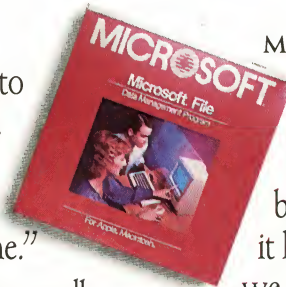
STEP 11: Tell the Mac specialist what you want, who you are, where you live, and how you want to pay for your order.

STEP 12: Throw some curveball question at the person taking the order. See if they know the answer.

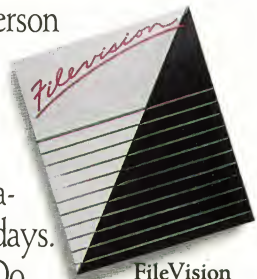
STEP 13: Wait patiently for a few days. Breathe deeply. Do sit ups. Think about all the money you saved. Plan a trip to some exotic place.

STEP 14: Your order arrives. Be happy.

DISKS: BASF/(5) \$18,  
Fuji/(10) \$31, 3M/(10) \$35,  
MAXELL/(10) \$33,  
Memorex/(10) \$31,  
Verbatim/(10) \$31



Smooth Talker  
\$89



FileVision  
\$102



First Base \$105



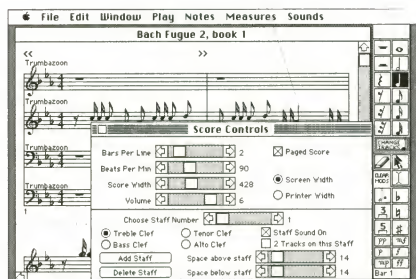
# MacConnection<sup>TM</sup>

14 MILL STREET, MARLOW, NH 03456 1-800/Mac & Lisa or 603/446-7711



# Deluxe Music Construction Set

Music composition



*System Requirements: 128K or 512K Macintosh.*

The Deluxe Music Construction Set allows a user to write notes directly on to a staff via the Macintosh's mouse or an on-screen, piano-style keyboard.

It can also give a user a visual and audible interpretation of all entered keys and notes during playback, as well as a print-out of any composition entered.

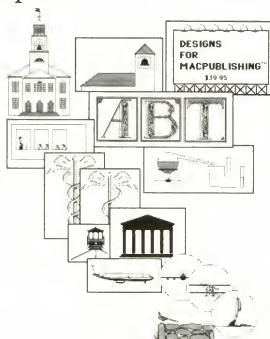
The Deluxe Music Construction Set has cut, paste, and copy-editing features, and it uses all four of the Macintosh's voices—or sound capabilities—to produce sound similar to that made by a variety of different instruments.

In addition, the program features "smart" measures that can be made as wide or narrow as the music requires and only permit the correct number of beats allowed by the time signature.

Electronic Arts  
2755 Campus Dr.  
San Mateo, Calif. 94403  
415-572-2787  
Retail Price: \$40  
Release Date: June, 1985

# Designs for MacPublishing

Designs, pictures, fonts, graphics



*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.*

Designs for MacPublishing is a collection of original MacPaint designs and fonts that can be used for creating graphic illustrations for various publications such as corporate or organizational newsletters, magazines, newspapers, annual reports, etc.

The program includes illustrations pertaining to such professions as medicine, law, education, science, religion, and others. It also features art designs and pictures for general interest or hobby use.

Designs for MacPublishing includes two special fonts, Rules and Borders, that can be used to create rules and borders—without requiring MacPaint—as well as many MacPaint borders, frames, signs, alphabets, initial letters, column heads, nameplates, and other graphics.

The program's user's guide includes font charts and tips for using the software along with MacPaint.

Boston Software Publishers, Inc.  
19 Ledge Hill Rd.  
Boston, Mass. 02132  
617-327-5775  
Retail Price: \$39.95  
Available now

# Easy Trace System

Drawing; graphics

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint. Inclusions: Sketch paper, tracing guide, ruler, and software.*

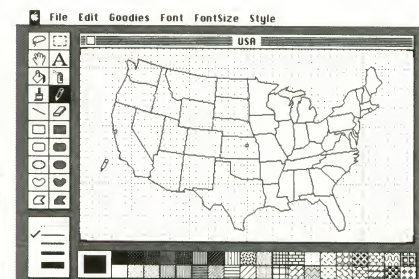
The Easy Trace System consists of sketch paper, a plastic tracing guide, and software; all of which share a matching graphic pattern. A special ruler that provides dot-by-dot control of the layout of a Macintosh screen image is also included.

To use the system a user sketches a design—with the aid of the ruler, if necessary—on to the sketch paper. This design can then be transferred to the computer with the mouse by using matching reference points on both the paper and the computer screen.

The plastic tracing guide can be used to transfer existing images to the computer via a similar process.

Easy Trace is designed to be used in conjunction with MacPaint by novice users and by those with more serious, businesslike graphic applications.

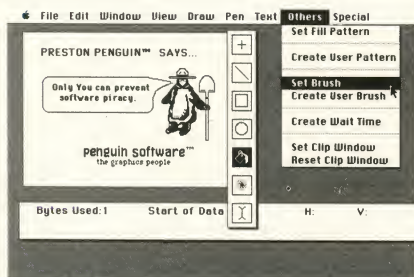
Heizer Software  
5120 Coral Ct.  
Concord, Calif. 94521  
415-827-9013  
Retail Price: \$39.95  
Available now





# Graphics Magician

Pictures, animation



*System Requirements: 128K or 512K Macintosh.*

The Graphics Magician is composed of two parts: the Picture Painter and the Animator.

The program also has a picture editor that can be used with other programs; a shape editor, which allows a user to flip and rotate shapes; and a path editor, which allows paths to be drawn on a background screen.

In addition, the Graphics Magician has three animation editors that can be used to design shapes, their paths, and to assemble animations with up to 32 independent objects.

Its machine-language animation file can be added to BASIC or machine-language programs, giving programmers additional control over paths, shapes, locations, and collision detection.

The Graphics Magician also packs pictures in most condensed form, recognizes many peripherals as input devices, and allows implementation of pictures on other popular microcomputers.

Penguin Software  
PO Box 311  
830 4th Ave.  
Geneva, Ill. 60134  
312-232-1984  
Retail Price: \$79.95  
Available now

# MacMemories Series

Memorabilia; public-domain art

*System Requirements: 128K or 512K Macintosh.*

Initial products in the MacMemories line include a series of 12 individual diskettes made up of recognizable, memorabilia-based images and a separate catalog diskette.

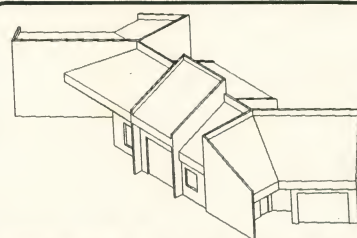
Each image contained on the 12 individual diskettes is based on public-domain art, and each has developed a high degree of nostalgic appeal over the years.

Titles of the 12 individual diskettes in this series are as follows: Memory Lane; The Wild, Wild West; Seasons & Holidays; Flowers & Plants; Indian Art & Symbols; Fish, Fowl & Fur; International Design; The Tool Library; Wheels, Hulls, Rails & Wings; Attention Grabbers; Art Nouveau; and Silhouettes.

It is expected that users will find their own applications and methods for using these images, in addition to the usual illustration of text.

ImageWorld, Inc.  
PO Box 10415  
Eugene, Ore. 97440  
503-485-0395

Retail Prices:  
\$39.95 MacMemories catalog diskette  
\$39.95 Each individual diskette  
\$360 Medallion Introductory Issue (set)



## TEKALIKE

**A Graphics Terminal™  
for the Macintosh™**

- Preview mainframe graphics on your Mac: ISSCO, SAS/GRAPH, etc.
- Picture recording, zooming, plotting
- Use mainframe graphics in MacWrite & MacPaint
- Tektronix emulation

**\$250**



## PLOT-IT

**A Plotter Utility™  
for the Macintosh™**

- Plot MacPaint pictures
- Make transparencies for presentations with **COLOR!**
- Supports Apple, Hewlett Packard, and Houston Instruments plotters

**\$95**

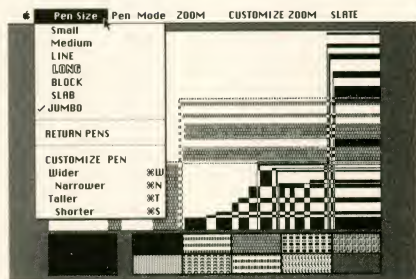
**Mesa Graphics  
P.O. Box 506  
Los Alamos, NM 87544**

Circle 12 on Reader Service Card



## Magic Slate

Geometric abstracts; graphics



*System Requirements: 128K or 512K Macintosh.*

Magic Slate allows a user to generate both formal, geometric abstract art; and stylized graphics. It can also be used to teach balance, form, and rhythm—the basics of art.

Use of the program does not depend on a user's drawing ability. Its primary objective, according to its manufacturer, is to keep a user moving forward and to "maintain the exhilaration of the creative mood."

Designs or abstract graphic ideas can be produced with Magic Slate in a few seconds, and can be examined instantly to see if they are interesting or pleasing. If approved, they can be saved. If not, they can be erased and a new idea started.

Other Magic Slate features include emphasis on maintaining a creative mood and not lapsing into an edit or undo mode (left-side versus right-side brain function), exploration and self-expression without excessive time and material expenditures, multiple-pattern interaction modes, and monthly art/graphics contests.

Devionics  
PO Box 2126  
Covina, Calif. 91722  
714-779-7193  
Retail Price: \$99  
Available now

## The Pattern Collection Volume 1

Patterns; shapes

*System Requirements: 128K or 512K Macintosh.*

The Pattern Collection Volume 1 is a booklet containing more than 500 different menu patterns of animate and in-animate objects; symmetrical and abstract shapes.

Each pattern and shape, presented in page form and cataloged for ease of use, can be easily copied and installed into the Macintosh paint-bucket menu.

RoZet  
1400 Shelbyville St.  
Center, Texas 75935  
409-598-5378  
Retail Price: \$12.95  
Available now

## The Print Shop

Personalized cards, letters

*System Requirements: 128K or 512K Macintosh. Inclusions: Matching paper and envelopes.*

The Print Shop is a software program that allows a user to write, design, and print greeting cards, stationery, signs, banners, etc. with no prior knowledge of computer graphics.

Messages can be written in various sizes—in any of eight different type styles—in solid, outline, or three-dimensional form. The program's text-editing features include automatic centering and left and right justification, and it comes with an assortment of paper and matching envelopes.

The Print Shop also comes with nine border designs, 10 abstracts, and many other pictures and symbols including 12

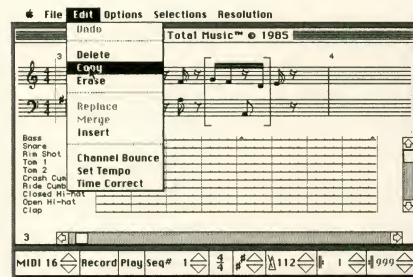
kaleidoscopic animations. In addition, its built-in graphic editor can be used to create original pictures and symbols or to modify those provided.

Users can also print illustrations generated with other applications.

Broderbund Software  
17 Paul Dr.  
San Rafael, Calif. 94903  
415-479-1170  
Release Date: Third quarter, 1985

## Total Music

Music; recording, editing



*System Requirements: 128K or 512K Macintosh. Inclusions: Hardware interface to electronic instruments.*

Total Music, designed for keyboard musicians and composers, allows the recording, editing, and playback of music for live performance, studio recording, and film or video scores.

The program comes with a digital hardware interface (MIDI) to most popular electronic instruments such as pianos, organs, guitars, drum machines, and synthesizers.

Total Music accepts musical input from any MIDI-equipped keyboard or guitar, and records up to 16 tracks of pitch, duration, and key velocity information. It has an auto-correct feature that can rhythmically align recorded notes to compensate for inaccurate playing, and a stepping mode that allows notes to be entered at any speed and translated into even rhythms.

All recorded music appears on a Macintosh screen in correct notation. Each note

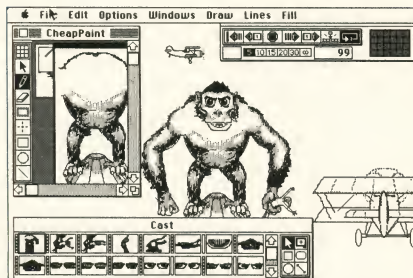


or track can then be edited and played back at any speed, and correct musical scores can be printed out on an Im-agewriter printer.

Southworth Music Systems, Inc.  
PO Box 275 RD 1  
Harvard, Mass. 01451  
617-772-9471  
Retail Price: \$389  
Release Date: July, 1985

## VideoWorks

Moving images, animation



*System Requirements: 128K or 512K Macintosh.*

VideoWorks allows a user to put pictures and/or images in motion. These may be chosen from among the characters and figures found in MacPaint, or from a collection of artwork included in VideoWorks itself.

Users may bring pictures or images to life by selecting either the real-time or cell (frame-by-frame) animation options found in the program. Original sounds may also be added.

VideoWorks is designed for professional or budding cartoonists, storyboard artists, producers, or hobbyists.

Hayden Software Company, Inc.  
600 Suffolk St.  
Lowell, Mass. 01854  
617-937-0200  
Retail Price: \$99.95  
Available now

## DataFast

Data-base management

File Edit Search Format Font Size Transfer

DATAFAST:HEADINGS (LIST 1-4)

No.	ADDRESS LABEL:	DATE RECEIVED:	DATE SENT:	SORTING KEYS:	UPDATE:	OLD:	#3:
1	John D. Smith 2102 N. 2nd St. #7 New York, NY 10022	02-15-1985	02-16-1985	YES	YES	NO	
2	Ronald B. Ellsworth 3133 Main Rd. San Antonio, TX 78284	02-15-1985	02-16-1985	YES	YES	NO	
3	Jane Turner 1200 College Ave. Athens, GA 30601	02-16-1985	02-17-1985	NO	YES	NO	
4	Stephen Wilson 2301 Delaware Ave. Pittsburgh, PA 15260	02-17-1985	02-18-1985	NO	YES	NO	
5	David Sherman 64 Newell Rd. Washington, DC 20550	02-18-1985	02-18-1985	NO	YES	NO	

*System Requirements: 128K or 512K Macintosh.*

DataFast is a general data-base management program that can be used by business or personal users to maintain mailing lists, addresses of customers or friends, inventories, recipes, bibliographies, or anything than needs organizing.

The program supports the entry of both alphanumeric and numeric data, and allows users to update, sort, and reorganize data at any time.

Users may also print labels or formatted reports, copy and paste any record or sets of records from DataFast files into MacWrite documents, and generate text files that can be accessed by other programs.

Statsoft  
2831 East 10th St., Suite 3  
Tulsa, Okla. 74104  
918-583-4149  
Retail Price: \$39  
Available now

## FileMaker

Data base

*System Requirements: 128K or 512K Macintosh; or a Macintosh XL running MacWorks XL.*

The FileMaker data-base program allows a user to create a variety of custom-designed reports and forms that include text and graphics. It is designed to function within Apple Computer Inc.'s Macintosh Office concept.

FileMaker allows users to organize and present information essential to managing a business such as customer files, orders and shipments, inventory, project status, and personnel records.

The number of fields, records, reports, and files maintained is only limited by available disk space. In addition, every field can be a variable length, and every entry in every field is indexed for fast retrieval.

FileMaker records can contain any combination of text, number, date, calculation, or summary fields. The program is compatible with all Macintosh products that use text, SYLK, or columnar file storage.

The program also supports both the Apple Imagerwriter and LaserWriter printers and the AppleTalk Personal Network.

Forethought, Inc.  
1973 Landings Dr.  
Mountain View, Calif. 94043  
800-622-9273  
Retail Price: \$195  
Available now

File Edit Select Gadgets Format Font Style

REAL ESTATE

Property information

Property Address 918 Oxford Rd Cambridge MA 02136	Bedrooms 3	Bathrooms 1	Size 2900 Sq Ft.
Description A once stuffy Victorian has been converted to a striking yet comfortable home. Modern appliances, large jacuzzi, and two fireplaces. Available for immediate occupancy.	On Market Since 3/18/85	Date of Sale	
Owner Jason Klingfield	Phone 373-8222	Asking Price \$198,000	
Classified Ad CAMBRIDGE: 3BR renov Vict. 2900sq. mod apt & bth w jac. Full see KEY RE 283-2932		+ 3	
		Total	\$203,940



## BUY HARDWARE AND SOFTWARE AT WHOLESALE + 8%, AND GET 14-30 DAY SOFTWARE RENTALS†...

In just the last few months, *The NETWORK* has saved its members more than \$24,000,000 and processed over \$100,000 orders.

### The nation's largest corporations depend on PC NETWORK!

On our corporate roster are some of the nation's largest financial industrial and professional concerns *including some of the most important names in the computer industry:*

<b>AT&amp;T</b>	General Motors
Barclays Bank	Gillette
Bell & Howell	<b>Hewlett Packard</b>
Citibank	Hughes Aircraft
Columbia University	<b>IBM</b>
<b>Data General</b>	ITT
Exxon	Kodak
Farm Bureau Insurance	<b>Multimate</b>
Frontier Airlines	United Nations
General Mills	Yale University
General Electric	Veteran's Administration

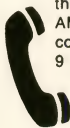
plus thousands of satisfied consulting firms, small businesses, user groups, municipalities, government agencies and value-wise individuals ACROSS THE NATION! Their buyers know that purchasing or renting from PC NETWORK saves them time, money and trouble. They also count on us for product evaluation, professional consultation and the broadest spectrum of products and brands around.

**CALL TOLL FREE  
1-800-621-S-A-V-E**

In Illinois call (312) 280-0002

Your Membership Validation Number: NN65

You can validate your membership number and, if you wish, place your first money-saving order over the phone by using your VISA, MASTERCARD or AMERICAN EXPRESS. Our knowledgeable service consultants are on duty Mon-Fri 8 AM to 7 PM, SAT 9 AM to 5 PM CST.



**PERSONAL COMPUTER NETWORK**  
320 West Ohio  
Chicago, Illinois 60610

Call now...Join the PC NETWORK and start saving today!

### PC NETWORK • MEMBERSHIP APPLICATION

**YES!** Please enroll me as a member in the PC NETWORK™ and rush my catalog featuring thousands of computer products, all at just 8% above DEALER WHOLESALE PRICES. I will also periodically receive "THE PRINTOUT", a special up-date on merchandise at prices BELOW even those in my wholesale catalog, and all the other exclusive, money-saving services available to Members.

N65 ☐

I am under no obligation to buy anything. My complete satisfaction is guaranteed. Please check (✓) all boxes that apply:

- |  |  |
|--|--|
| <b>Basic Membership</b><br>With 14 Days Rental   | <b>Special V.I.P. Membership*</b><br>With 30 Days Rental.  |
| <input type="checkbox"/> One-year membership for \$8   | <input type="checkbox"/> One-year membership for \$15  |
| <input type="checkbox"/> Two-year membership for \$15 (SAVE \$1)                                       | <input type="checkbox"/> Two-year membership for \$25 (SAVE \$5)   |
| <input type="checkbox"/> Business Software Rental Library for \$25 add'l. per year—with 14 day rentals | <input type="checkbox"/> BOTH Business and Game Software Rental Libraries for \$30 add'l. per year—with 30 day rentals |
| <input type="checkbox"/> Games Software Rental Library for \$10 add'l. per year                        | *VIP members receive advance notice on limited quantity merchandise specials   |

☐ Bill my credit card: ☐ VISA ☐ MasterCard ☐ American Express

Account Number:

Exp. Date  mo.  year

☐ Check or money order enclosed for \$

Name

Address  Apt. No.

City  State  Zip

Telephone (  )

**Please provide the following information to insure compatibility with your system (check all boxes that apply):**

- |  |                                    |                                    |                                 |
|--|------------------------------------|------------------------------------|---------------------------------|
| <input type="checkbox"/> APPLE //e                   | <input type="checkbox"/> APPLE //c | <input type="checkbox"/> APPLE //+ | <input type="checkbox"/> IBM-AT |
| <input type="checkbox"/> MACINTOSH                   | <input type="checkbox"/> LISA      | <input type="checkbox"/> APPLE III | <input type="checkbox"/> IBM PC |
| <input type="checkbox"/> Other: <input type="text"/> |                                    |                                    |                                 |

Signature   
(Signature required to validate membership)

Copyright © 1985, PC NETWORK INC.

## FEATURED PRODUCTS!

### APPLE MACINTOSH

400KB External Disk Drive.....**349.95\***

### Epson Printers Unbelievable Low Prices!!

LX-80 80COL/100CPS.....**205.00\***

FX-80 80COL/160CPS.....**303.00\***

FX-100 132COL/160CPS.....**434.00\***

### HABA 800KB MAC ADD ON DRIVE

Twice the Capacity!

Reads Standard Disks!.....**315.00\***

### HABA QUARTET INTEGRATED SOFTWARE

Jazz Features Available Now!

Runs on 128K MAC.....**101.95\***

**Hayden Ensemble**.....**155.00\***

1st integrated package for the MAC

### Brand Name Macintosh Diskettes

(Box of 10) includes Free Flap & File Case.....**24.95\***

### Central Point Copy II MAC

Back-up Protected Software.....**20.00\***

### GTE SYLVANIA 1700 Watt

Filtered Surge Protector.....**29.95\***

### IBM PC 256K HARD DISK SYSTEM

1-320K Drive/1-10MB Hard

Disk/256K CPU.....**\$1,886.62\***

\*NETWORK Members pay just 8% above these wholesale prices plus shipping.

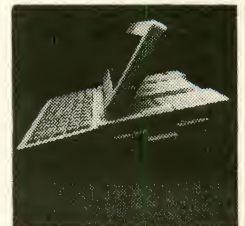
## Complete Apple Systems

The NETWORK offers fantastic discounts on these three complete Apple packages.

### ► APPLE //c

128K System  
Modem Port  
Serial Printer Port  
Mouse/Game Port  
Composite/RGB/TV  
40/80 Column  
Monitor Port  
QWERTY/DVORAK  
Keyboard  
Built in Drive  
Software

**TOO LOW TO PRINT!**



### ► APPLE //e PROFESSIONAL SYSTEM

128K //e CPU  
80 Column Card  
2 Disk Drives  
Software

**TOO LOW TO PRINT!**



### ► MACINTOSH BASE SYSTEM

192K Memory  
400K Diskette  
Keyboard  
Mouse  
Software

**TOO LOW TO PRINT!**



Wholesale Prices Change Rapidly...if you ever see a lower price advertised anywhere please call! You will find the Network's Price will always be the best!



## ...AS A PC NETWORK MEMBER ONLY!

Listed below are just a few of the over 20,000 products available at our EVERYDAY LOW PRICES!

### GAMES & EDUCATIONAL

(Please add \$1 shipping and handling for each title ordered from below.)

Advanced Ideas Lucky's Magic Hat	24.00*	Mirage Concepts Trivia	24.00*
Axlon Art Portfolio	35.97*	Miles Computing Mac Attack	23.00*
Axlon Card Shoppe	35.97*	Palantir Mac Type	24.50*
Blue Chip Baron, Millionaire, Tycoon	31.75*	Penguin Graphics Magician	28.97*
CBS Software Murder by the Dozen	24.00*	Penguin Pensate or Xyphus	20.50*
Expertelligence ExperLogo	76.00*	Penguin Transylvania	20.97*
1st Byte Smooth Talker	28.00*	Professional Software Trivia Fever	22.00*
Hayden Sargon III	29.97*	Priority Software Forbidden Quest	22.00*
Hayden DaVinci—Houses, Interiors	29.97*	Scarborough MasterType	26.50*
Hayden DaVinci—Landscapes	29.97*	Scarborough Run for the Money	27.00*
Hayden Word Challenge	21.00*	Sierra On-Line Frogger	22.00*
Infocom Deadline, Suspended	27.00*	Silicon Beach Software Airborne!	18.25*
Infocom Enchanter, Planet Fall, Cutthroats	20.50*	Simon & Schuster Typing Tutor III	34.00*
Infocom Zork II, Zork III	23.50*	T/Maker Click Art	29.97*
Infocom Zork I, Witness	20.50*	Videx Fun Pack	19.77*
Infocom Suspect, Infidel, Sorcerer	25.00*	Videx Mac Checkers & Reversal	25.17*
Infocom Hitchhiker's Guide, Seastalker	22.00*	Videx Mac Vegas	31.00*
Mark of the Unicorn Mouse Stampede	19.00*	Videx Mac Gammon & Cribbage	25.17*
Miles Computing Mac the Knife	23.40*		

### BUSINESS SOFTWARE

(Please add \$2.50 shipping and handling for each title ordered from below.)

ATI MAC Coach	43.00*	Megahaus Megafiler	117.00*
Computer Software Design—Mac Lion	227.00*	Microsoft Basic	85.00*
Creative Solutions MacForth Level I	84.00*	Microsoft Chart	71.00*
Creative Solutions MacForth Level II	112.00*	Microsoft File	110.00*
Desktop Software 1st Base	97.00*	Microsoft Multiplan	105.00*
Dillithium PC to MAC & Back w/cables	90.00*	Microsoft Word	110.00*
Dow Jones Software Straighttalk	45.00*	Odesta Helix Reg's 512 K Mac	237.00*
Dow Jones Software Market Manager	134.50*	Peachtree Software Back to Basic	206.25*
Dow Jones Software Spreadsheet Link	134.50*	Accounting	
Funsoft Macasm	60.00*	Provue Overvue	157.00*
Haba Habadex	59.95*	Rio Grande Software Softmaker II	105.00*
Haba Quartet Jazz features Available Now!	101.95*	Softstyle EpStart	23.97*
Harvard MacManager	29.95*	(USE YOUR EPSON ON A MAC)	
Human Edge Communications Edge	98.00*	Softsync Personal Accountant	54.00*
Human Edge Management of Sales Edge	138.00*	Software Arts TK Solver	134.50*
Human Edge Mind Prober	26.50*	Software Publishing PFS: File	68.00*
Living Video Text Think Tank (128K VER.)	75.00*	Software Publishing PFS: Report	68.00*
Main Street Main Street Filer	85.00*	Stoneware DB Master	115.00*
Main Street Main Street Writer	117.00*	Telos Software Filvision	95.00*
Megahaus Megamerge	75.00*	Tronix/Monogram Dollars & Sense	74.50*
		Videx Macalender	48.00*

### HARDWARE

(Add 2% to the member price for each item for shipping and handling.)

#### COMPLETE SYSTEMS

Apple Macintosh Base System	CALL
Apple Apple IIc	CALL
Apple Apple IIe	CALL
► Compaq Desk Pro System with Tape Backup W/640K/1 Floppy/10MB Hard Disk/10MB Tape Drive/Monitor	3,018.14* (65.20)
► COMPAQ Hard Disk Portable 10MB Hard Disk/1 Floppy/256K DSDD/FDC/256K	2,185.00* (49.35)
DATA General DG ONE 128K/1 Drive "The Real Portable"	1,999.00* (43.20)
► IBM PC Base System 2 DSDD/FDC/256K	1,495.47* (32.55)
► IBM PC Professional Hard Disk (1 DSDD/FDC/10MB Hard Disk/256K)	1,886.62* (40.75)
IBM PC/AT All Configs	CALL
Sayno MBC 550 "Lowest Cost Compatible"	620.00* (13.39)
Texas Instruments Professional	CALL

#### DISK DRIVES

Apple 400KB External Drive	349.95*
Corvus 5.5 MB Hard Drive	1,295.00*
Haba 800KB Double sided	315.00*
Macintosh Add on Drive—Twice the Capacity! Reads Standard Disks!	
Tecmar 5 MB Removable Drive	1,350.00*
Tecmar 10 MB Mac Drive	1,350.00*
Tecmar Mac Drive Upgrade	1,295.00*

#### MODEMS

Apple Modem 300	169.00*
Apple Modem 1200	371.00*
Computable Mac to Smartmodem Cable	16.00*
Hayes Smartmodem 1200	361.25*
Hayes Smartmodem 2400	568.00*
Microcom Mac Modem	365.00*
Novation Cat Communication System	324.00*
Prentice Pop Com Mac Pack 1200 Baud Modem, Cable, Straighttalk	322.00*
Prometheus Promodem 1200	279.00*
U.S. Robotics Password Portable Modem	215.00*

#### PRINTERS

Apple Imagewriter 10" Carriage (with Mac kit)	419.95*
Apple Imagewriter 15" Carriage (Requires kit)	520.00*
► Epson FX 80 10" Platen 160 CPS	303.00*
► Epson LX 80 10" Platen 100 CPS LQ Mode—New Model!	205.00*
Hanzon Hanzon Board turns your Epson into an Imagewriter	60.00*
Okidata ML-192/Mac/Apple New Slimline Design/10" Platen/160CPS/Imagewriter Look-Alike	348.00*
Okidata ML-193/Mac/Apple New Slimline Design/15" Platen/160CPS/Imagewriter Look-Alike	514.00*
NEC 3510 33CPS Letter Quality Printer	960.00*
NEC 8810 55CPS Letter Quality Printer. Both these printers are compatible with Microsoft Word!	1,330.00*

#### ACCESSORIES

(Freight minimum \$1 per item)	
Apple Macintosh Carrying Case	74.00*
Apple Macintosh Security Kit	37.00*
Apple Numeric Keypad	74.00*
Innovative Concepts Flip N File II	28.08*
Innovative Concepts Flip N File Micro (25)	6.69*
► Koala MacVision	203.00*
Kensington Disk Case	20.00*
Kensington Dust Cover	8.25*
Kensington Starter Pack	54.00*
Kensington Surge Protector	33.47*
Kensington Swivel	21.00*
Kensington Portable Modem	91.00*
Maxell Mac Diskettes (Box of 10)	37.00*
Micron Tech Micron Eye	275.00*
Mouse Systems A-Mouse	97.00*
PC Network Mac Diskettes (Box of 10) Includes Free Flip & File	24.95*
PC Network Imagewriter Ribbons (Per 12)	41.00*
► Thunderware ThunderScan Turns your Imagewriter into an Optical digitizer!	155.00*
Sony 3.5" Diskettes (Box of 10)	24.50*

## ...WITH THESE 15 UNIQUE BENEFITS

**1 COST + 8% PRICING**—The NETWORK purchases millions of dollars in merchandise each month. You benefit in receiving the lowest price available and all at just 8% above published dealer wholesale price.

**2 OUR 600 PAGE WHOLESALE CATALOG**—Members receive our 600 page wholesale catalog containing over 20,000 hardware and software products for the IBM PC, APPLE and over 50 other popular computer systems. **THE NETWORK'S CATALOG IS THE LARGEST SINGLE COMPILATION OF PERSONAL COMPUTER PRODUCTS AVAILABLE TODAY. NOW UPDATED QUARTERLY!**

**3 IN-STOCK INSURED FAST HOME DELIVERY**—The NETWORK maintains a giant multi-million dollar inventory of most popular products, allowing us to ship many orders from stock. Non-stock items are typically maintained in local warehouses just days away from The NETWORK and YOU. We pay all insurance expenses on your shipment. **EMERGENCY OVERNIGHT SERVICE IS AVAILABLE ON REQUEST.**

**4 10 DAY RETURN POLICY**—If you are not satisfied, for any reason with any hardware component purchased from The NETWORK within 10 days of receipt, we will refund your entire purchase (less shipping) with no questions asked.

**5 MEMBERSHIP SATISFACTION GUARANTEE**—If for any reason you are not satisfied with your membership within 30 days, we will refund your dues IN FULL.

**6 EXPERIENCED CONSULTANTS**—The NETWORK hires consultants, not order takers, to aid you in product selection. Our consulting staff possesses in excess of 150 man years of personal computer product experience. **We back our consultants with our money back guarantee: IF ANY PRODUCT RECOMMENDED BY OUR CONSULTING STAFF FAILS TO PERFORM AS PROMISED—WE WILL TAKE IT BACK AT OUR EXPENSE FOR A 100% REFUND.**

**7 FREE TECHNICAL SUPPORT**—The NETWORK supports every product it sells. Our qualified TECH-SUPPORT staff will help you assemble your system, interpret vendor documentation and get your software and hardware to work. **WE WILL GIVE YOU ALL THE HELP YOU NEED, WHEN YOU NEED IT—FREE!**

**+ 8 OPTIONAL BUSINESS RENTAL LIBRARY**—All members can join our BUSINESS RENTAL LIBRARY featuring over 1000 available titles for just \$25 PER YEAR above the base membership fee. This entitles you to rent business software AT JUST 20% of the DISCOUNT PRICE FOR A 14 DAY PERIOD. If you decide to keep the software, the entire rental fee is deducted from the purchase price. **VIP MEMBERS GET A FULL 30 DAYS for just \$30 above the V.I.P. base fee. This also includes the game library privileges for a \$5 combination savings.**

**+ 9 OPTIONAL GAME SOFTWARE RENTAL LIBRARY**—The Game Rental library is available to members for just \$10 PER YEAR and permits evaluation (or just enjoyment) of any game or educational software product as above.

**10 SPECIAL SAVINGS BULLETINS—THE PRINTOUT**—Issued Quarterly at no charge to Network members only! The Printout contains all the New Product listings and price changes you need to keep your Catalog up to date.

excess dealer inventories, and store bankruptcy closeouts, which we turn around and make available to our members at fantastic savings via THE PRINTOUT.

**11 DISCOUNT BOOK LIBRARY**—Working with numerous publishers and distributors, The NETWORK has assembled a library of over 1000 computer related books and manuals at savings of up to 75% from the normal store price.

**12 MEMBERSHIP REFERRAL BONUS**—Our most valuable source of new members is you! To date almost 40% of our members have been referred by word of mouth from other satisfied members. For those of you who refer new members, The NETWORK will credit a cash bonus to your account applicable to any future purchase.

**13 CORPORATE ACCOUNT PROGRAM**—Almost 50% of The NETWORK's members are corporate buyers and users (see opposite page left). The NETWORK can establish open account status and assign designated account managers to expedite orders, and coordinate multiple location shipments.

**14 QUANTITY DISCOUNTS**—For large corporations, clubs, and repeat or quantity buyers The NETWORK can extend additional single order discounts, when available to us from our manufacturers and distributors.

**15 PRICE PROTECTION**—The PC Industry is crazy!! Prices change not yearly or monthly or even weekly but often day by day! These changes are sometimes up but are mostly down!!! **THE NETWORK GUARANTEES THAT IN THE EVENT OF A PRODUCT PRICE REDUCTION, BETWEEN THE TIME YOU PLACE YOUR ORDER AND THE TIME THE PRODUCT SHIPS YOU WILL ONLY PAY THE LOWER AMOUNT!!**

\*PC Network Members pay just 8% above the wholesale price, plus shipping. All prices reflect a 3% cash discount. Minimum shipping \$2.50 per order. Personal checks please allow 10 working days to clear.

CALL TOLL FREE 1-800-621-S-A-V-E (orders and memberships only)  
In Illinois call (312) 280-0002 validation code NN65



## LaserBase

### Information management

*System Requirements: 128K or 512K Macintosh; or Macintosh XL.*

LaserBase is a data-base program that does not limit the number of characters within a field, the number of fields within a record, or the maximum size of a record.

All of its field and record sizes are determined by the amount of available memory. In addition to a 128K or 512K Macintosh, the program also works on a Macintosh XL running MacWorks XL.

Data may be stored in LaserBase in a variety of different ways, including text, numeric, date, time, and currency, and calculations may be performed on date and time entries as well as numeric. Other program features include independent storage of report formats and record lists and report design and creation using the mouse.

LaserBase can be used for inventory, order processing, stock management, job costing, sales tracking, customer records, medical records, and many other applications.

Laser Software International, Ltd.  
32 High St., Tring, Hertfordshire  
England, HP23 5AA  
0442-82-7933

## OverVUE 2.0

### Data-base management

*System Requirements: 128K or 512K Macintosh.*

OverVUE 2.0, an updated version of the original OverVUE data-base package, is an information manager that combines a spreadsheet-like display with faster operation than its predecessor.

According to its manufacturer, new enhancements allow the updated version to sort 1,000 records in less than two seconds, performing calculations on both

rows and columns of data as it goes.

OverVUE 2.0 can also be used to produce charts and graphs, such as bar, column, line, area, and pie charts, directly from data, bypassing more time-consuming, cut-and-paste procedures.

An additional feature of OverVUE 2.0 is its user-defined menu, the DO Menu, which allows a user to create up to 20 custom functions—based on routine program functions such as sort, select, and total—in each file. These functions can be placed in the DO Menu under a name specified by the user, and recalled at a later time by pulling down the menu and selecting the appropriate name.

Other new OverVUE 2.0 features include the ability to join relational (multiple) files together; to import data from other data-base systems in nearly any format including DIF, SYLK, and three kinds of text; and to zoom in on a single data record.

ProVUE Development Corporation  
222 22nd St.  
Huntington Beach, Calif. 92648  
714-969-2431

Retail Price:

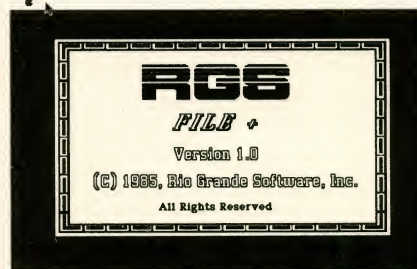
\$295 OverVUE 2.0

\$20 Upgrade for current OverVUE owners

Release Date: June, 1985

## RGS File+

### Data-base manager



*System Requirements: 128K or 512K Macintosh.*

RGS File+ is a data-base manager that makes data and files easier for a user to manipulate.

The program enables a user to perform the following functions: create, open,

append, delete, modify, project, select, merge, and more. It also has a built-in graphics function that designs pie charts, graphs, and bar charts.

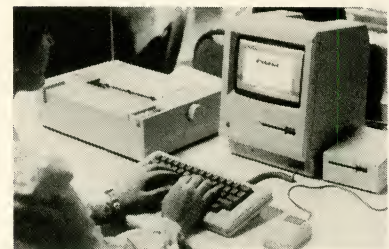
Another printing option provides flexibility for printing address labels and reports.

Additional functions include a simple text editor, on-line help, explanations of functions, and a security system to ensure only authorized users make changes to a file.

Rio Grande Software, Inc.  
221 Nolana  
PO Box 5906  
McAllen, Texas 78504  
800-292-1031 or 800-527-1121, ext. 2785  
Available now

## RGS Softmaker II

### Data-base manager



*System Requirements: 128K or 512K Macintosh.*

RGS Softmaker II is a data-base management system equipped with windows, pull-down menus, and a mouse.

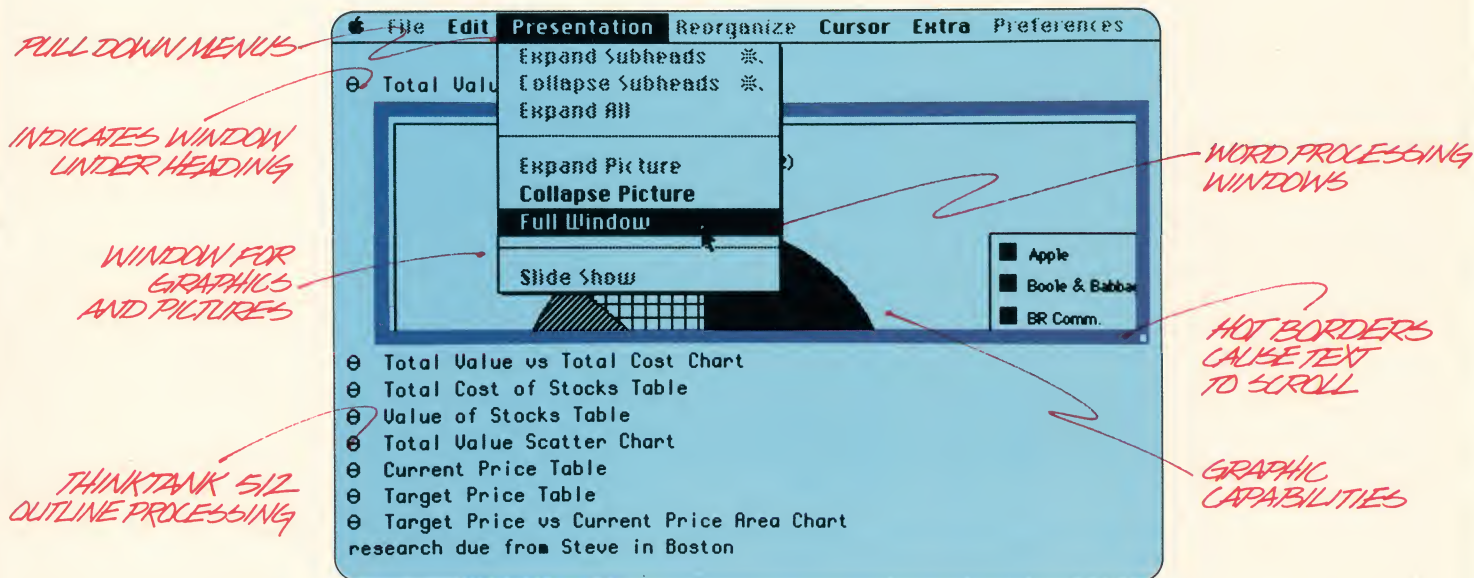
It is a menu-driven package that provides a variety of utilities including deletion, mass deletion, merging, sorting, and renaming of data files. RGS Softmaker II also features on-line help, password protection, and formula definition for customized reports.

The package supports a number of mathematical functions and will automatically total all numeric columns with 14-digit accuracy.

RGS Softmaker II also left justifies all alphabetic columns and right justifies all



# Give <sup>FAT</sup> Mac a piece of your mind.



Your mind works in mysterious ways.

Thoughts crystallize, change and disappear in a few moments.

**Introducing the one software package powerful enough to capture the way you think—ThinkTank 512.** The outline processor designed specifically for the Macintosh has now been expanded, adding full-featured, high-performance word processing and graphics capabilities.

**From fleeting inspiration to final product.** Inside ThinkTank your ideas are stored in a dynamic outline, ready to accept layers within layers of thought. Begin by entering your first ideas into headings. More ideas will follow. Tuck new thoughts under the main headings. Open windows and let bursts of insight pour out in paragraphs. Or use the Macintosh scrapbook to bring pictures, charts and graphs into your ThinkTank outline.

Reorganize with the stroke of a mouse. Blocks of written and visual information move to any portion of your outline with remarkable ease.

ThinkTank is the ultimate personal productivity tool for all decision makers. One toll free call to 1-800-822-3700 (in California, 1-800-443-4310) will guide you to the nearest dealer.

**You provide the inspiration. ThinkTank provides the rest.**

Circle 14 on Reader Service Card

ThinkTank 512 suggested retail price is \$245. A printer and second disk drive are recommended, but not required. Also available ThinkTank 128 (\$145). If you upgrade your Mac to 512K, your 128K software is easily upgradeable for \$100.

"ThinkTank," "ThinkTank 512," and "The First Idea Processor" are all trademarks of Living Videotext, Inc. "Macintosh" is a trademark licensed to Apple Computer, Inc.

© 1985 Living Videotext, Inc., 2432 Charleston Road, Mountain View, CA 94043. (415) 964-6300.





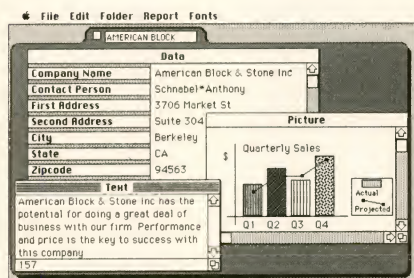
numeric columns to produce reports in an easy-to-read format.

The program is written in Microsoft BASIC and is compatible with a number of hard-disk drives including Corvus, Davong, and Tecmar.

Rio Grande Software, Inc.  
221 Nolana  
PO Box 5906  
McAllen, Texas 78504  
800-527-1121 or 800-292-1031, ext. 2785  
Retail Price: \$199  
Available now

## ValueSoft Manager

File management



*System Requirements: 128K or 512K Macintosh.*

The ValueSoft Manager is a file-management program that allows storage of graphs, charts, and pictures as well as text. The data base may be organized any way the user wants, and can be cross-indexed in up to four different ways.

The program can transport files to or from Microsoft Word, Chart, or Multiplan, and can read or write ASCII or DIF files.

Manager has several arithmetic functions, a form-letter generator, mail merging, many sorting capabilities, a report generator, and calculated fields.

ValueSoft, Inc.  
24 Diablo Ct.  
Danville, Calif. 94526  
800-631-2616 or 415-838-7507  
Retail Price: \$89  
Release Date: June, 1985

## ZipFinder

Zip-code analysis; management

*System Requirements: 128K or 512K Macintosh and an external disk drive; 512K Macintosh recommended. Special Requirements: Hard-disk drive for nationwide system.*

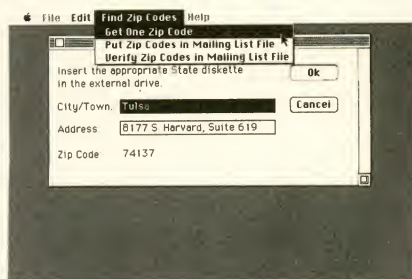
ZipFinder analyzes mailing-list files created with other data-base programs, and determines and inserts correct U.S. postal zip codes into the zip-code field. The program also verifies existing zip codes and prints a report indicating incorrect or misspelled addresses or cities in a file.

In addition, ZipFinder has a feature that displays the correct five-digit zip code on the computer's screen when a user keys in a U.S. city and address on the keyboard.

The ZipFinder package comes with one program diskette and one data diskette representing one state or region of the U.S. Additional state or regional data diskettes can be purchased separately, and discounts are available for multistate or nationwide ZipFinder systems.

Zip-code updates are available on a quarterly basis.

SoftIdea  
8177 South Harvard, Suite 619  
Tulsa, Okla. 74137  
918-745-9792  
Retail Prices:  
\$125 ZipFinder  
\$65 each additional state or regional diskette  
Release Date: June, 1985



## The NETWAY 1000A AppleTalk Gateway

Communications

*System Requirements: 128K or 512K Macintosh; AppleTalk connection.*

The NETWAY 1000A AppleTalk Gateway provides host-system access for up to 31 Macintosh computers connected via the AppleTalk Personal Network to a single host.

This initial release provides IBM 3278 BSC emulation support for a Macintosh to an IBM or IBM-compatible host system. Additional protocol modules will be available during the second half of 1985. Planned releases include 3278 SDLC and 5xx SDLC emulation.

NETWAY 1000A operation is controlled by three software modules residing on a Macintosh disk file. Two of the modules, Supervisor and Host Protocol, can be downloaded to the NETWAY 1000A from any Macintosh on AppleTalk.

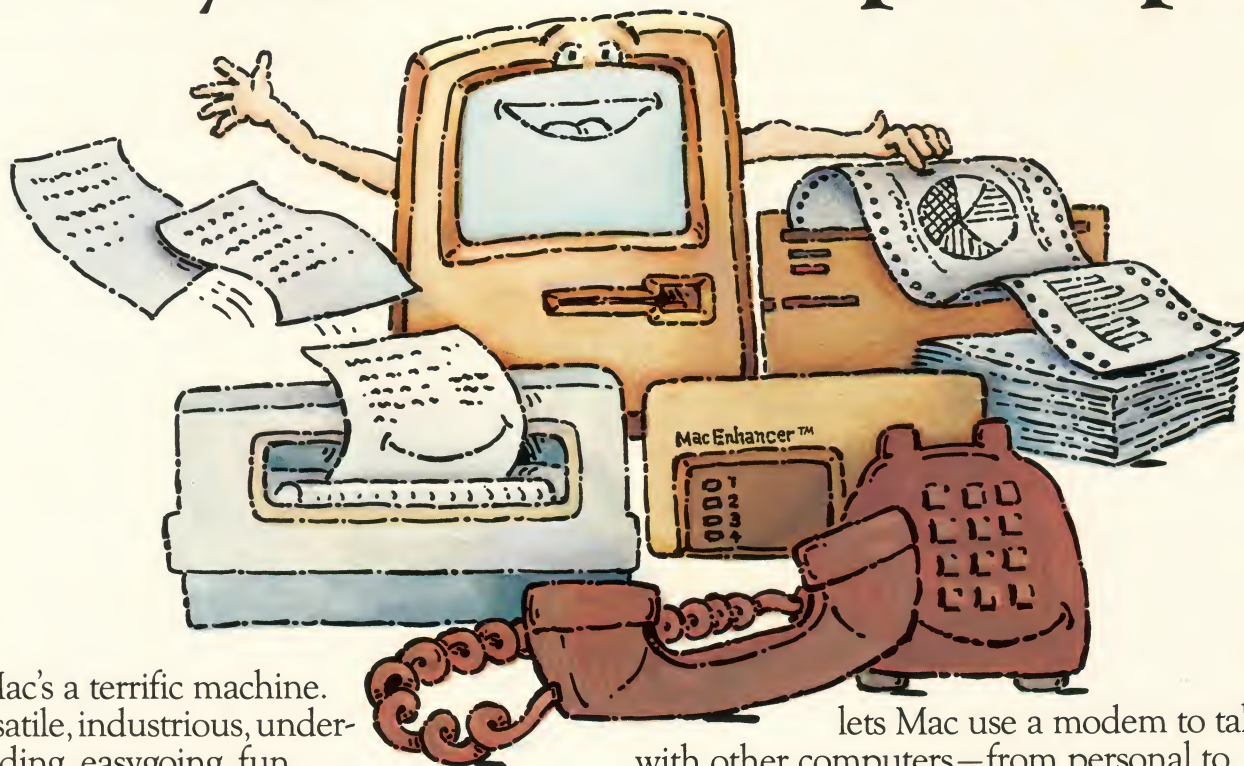
The third module, Terminal Emulation, is loaded by each Macintosh user requesting access to the host system. Multiple host systems can be supported on AppleTalk by adding multiple NETWAY 1000As.

Product operation is enhanced by the use of Macintosh features such as pull-down menus, the mouse, cut and paste, etc.

Tri-Data  
505 East Middlefield Rd.  
Mountain View, Calif. 94039  
415-969-3700 ext. 292  
Retail Price: \$2,445  
Available now



# Get your Mac to open up.



Mac's a terrific machine. Versatile, industrious, understanding, easygoing, fun.

Trouble is, Mac lives in a world of his own. He doesn't communicate well with his co-workers. Doesn't work well with them.

Now there's help.

The Microsoft® MacEnhancer™ expansion system can get him out of his shell. It'll open

lets Mac use a modem to talk with other computers—from personal to mainframes.

All without losing the loveable Mac personality. Just “point and click.”

Getting Mac to expand his horizons wasn't easy, but somebody had to do it. And who better than Microsoft? We've written more Macintosh™ programs than any other software company. Including Microsoft Word, Microsoft File. And Microsoft BASIC, Mac's first language.

**MICROSOFT®**  
The High Performance Software™

For more information, or to free associate with your nearest Microsoft representative, call (800) 426-9400. In Washington State, Alaska, Hawaii and Canada, call (206) 828-8088.



his communications channels. Expand his horizons.

MacEnhancer simply plugs into Mac's communication port. It lets you keep that original port while adding an IBM®-type parallel connector for your printer and two IBM-type serial connectors.

So now Mac can hobnob with even the finest letter quality printers. Cope with hyperactive dot-matrix printers.

And it comes with MacEnhancer terminal software. A communications program that



# Introducing the most ingenious communications system known to man. Or mouse.



## Hayes Smartcom II® and Smartmodem 1200.™ Point and click communications at its best.

Now Macintosh\* can communicate with the best: Hayes.

When it comes to personal computer communications, Hayes set the standards. For the IBM\* PC and compatibles. And now for Macintosh, too.

All you need is the industry leader, Smartmodem 1200 (or our

300 or new 2400 bps modems), and a special Mac version of Smartcom II software. For sophisticated, computer to computer communications—à la Macintosh.

Utilizing your mouse, icons and pull-down windows, Smartcom II makes communications as easy as pointing. And clicking.

## Mac to Mac graphics. Picture perfect!

Now your Mac can send and receive pictures and drawings long distance with other Macintoshes. And if you have a powerful 512K Mac, you can also take advantage of the unique interactive graphics capabilities of Smartcom II. So that pictures or text sent to other 512K Macs can be simultaneously reviewed, perfected and updated from both locations! For the fun of it, you can even try interactive games on the graphic gameboards.

## Mac to personal computers and data bases everywhere.

Want to communicate with an IBM PC? Or dozens of other personal computers? Your Smartmodem 1200 and Smartcom II communications system makes it easy to send and receive text over ordinary phone lines. Quickly. Accurately. Economically.

And a wealth of business, personal and financial information awaits you from on-line data bases. Smartcom II even comes with automatic log-on for many of these services (and introductory bonus subscription and access time discounts valued at over \$300!).



**Atlanta, 3 P.M.** "Here's the plan for the new space. What do you think?"



**Boston, 3:04 P.M.** "Looks good. But can you move the lounge over here, and add a second exit, like this?"



**Atlanta, 3:05 P.M.** "Brilliant! I'll incorporate these changes for tomorrow's meeting."



## OMNINET

### Local-area network

*System Requirements: 128K or 512K Macintosh.*

Users of the OMNINET local-area network may connect any workable combination of up to 63 Macintosh computers and/or peripheral devices at distances up to 4,000 feet.

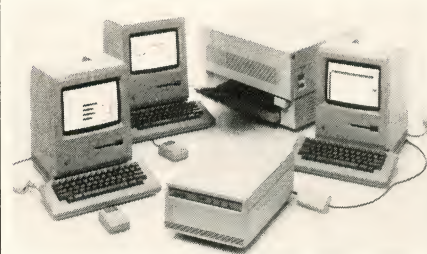
The network interface card is built into the computer interface cable. A user simply plugs the cable into the modem port at the back of the computer to become part of the network.

Shared devices on an OMNINET local-area network may include an OmniDrive hard disk with a disk server built in and a printer.

Corvus Systems, Inc.  
2100 Corvus Dr.  
San Jose, Calif. 95124  
408-559-7000  
Retail Price: \$200 per connection  
Available now

## OmniTalk

### Networking software



*System Requirements: 128K or 512K Macintosh; OmniDrive hard disk; AppleTalk Personal Network.*

OmniTalk software lets multiple Macintosh users on an AppleTalk Personal Network share information, mass storage, and a LaserWriter printer.

Actually, the program allows all users to share storage space and applications software on an OmniDrive hard disk ranging in capacity from 5 to 126 megabytes. Several different volumes can be created on the OmniDrive as well.

OmniDrive volumes may be accessed in any one of the following ways via OmniTalk: read-write, read only, controlled, and uncontrolled. By assigning one of these attributes to a volume, it is possible to determine who gets to see existing information and who can change or modify information.

OmniTalk can also be used with the Apple Finder utility program, making more than 98 percent of all applications written for the Macintosh compatible with an OmniDrive.

OmniTalk can be used by multiple users in a work-group, office, or classroom setting.

Corvus Systems, Inc.  
2100 Corvus Dr.  
San Jose, Calif. 95124  
408-559-7000  
Retail Price: \$395  
Available now

### And Please™ Mac-organize your data. Mac-nificently!

Hayes offers more than communications. *Please*, the easy-to-use yet powerful file management software, will be available for Macintosh soon. To manage mailing lists, print forms or handle dozens of other tasks.



### Hayes for Macintosh. The smartest move you and your mouse can make.

See your authorized Hayes dealer for a hands-on-mouse demonstration of our products for Macintosh. Today!

**Hayes**  
Innovative products  
for enterprising people

Hayes Microcomputer Products, Inc.  
5923 Peachtree Industrial Blvd.  
Norcross, Georgia 30092 404/441-1617



## SUN\*MAC Mass Storage Server

Mass storage; disk server



*System Requirements: 128K or 512K Macintosh.*

The SUN\*MAC disk server and the SUN\*DISK universal-networking and mass-storage device have been incorporated into a single unit called the SUN\*MAC Mass Storage Server.

The new unit has complete AppleTalk Personal Network compatibility, and it gives either a single user or an office work group 10 to 368 additional megabytes of storage capacity.

It also includes tape backup options and built-in, error-correction code.

Sunol Systems  
1187 Quarry Ln.  
PO Box 1777  
Pleasanton, Calif. 94566  
415-484-3322

Retail Price: \$2,195 and up, depending on storage capacity  
Available now

## XINET

Unix interface to AppleTalk

*System Requirements: 128K or 512K Macintosh.*

MT XINU of Berkeley, Calif., allows Unix-based systems to communicate with AppleTalk Personal Networks using XINET technology.

With XINET, AppleTalk network servers, such as the LaserWriter printer, are accessible to any user on a connected Unix system. In addition, a Unix system can act as a server on an AppleTalk network, allowing individual Macintosh users to access the Unix system for mass data storage, communications, and other functions.

XINET protocols can also coexist with other protocol families on Ethernet networks, and provide a bridge between Ethernet and AppleTalk networks.

XINET is available in both binary form and C-language source form. The binary version is available as an addition to MT XINU's MORE/bsd VAX/Unix product.

The C-language source is available to Unix software and hardware developers who wish to connect their products to an AppleTalk network.

MT XINU  
739 Allston Way  
Berkeley, Calif. 94710  
415-644-0146  
Available now

## Desk Pak

Desk accessories



*System Requirements: 128K or 512K Macintosh; or a Macintosh XL running MacWorks XL.*

Desk Pak is a combination of three convenient desk accessories: Financial Analyst I, Time Manager, and Ram Disk II. The three packages may be purchased together as Desk Pak or separately under their product names.

Financial Analyst I is a business and financial calculator accessory that allows a user to solve financial calculations such as present value, compound interest rates, and gross profit margins.

Time Manager is an electronic time-management desk accessory that allows a user to schedule and record time in a simple and straightforward manner. Its four-in-one diary system includes an appointment book with a 12-week calendar display, a date book with tickler reminder, a to-do file, and a save-it notepad for unlimited diary notes, phone logs, sales calls, and expense records.

RAM Disk II allocates RAM to be used as a disk that works as fast as memory.

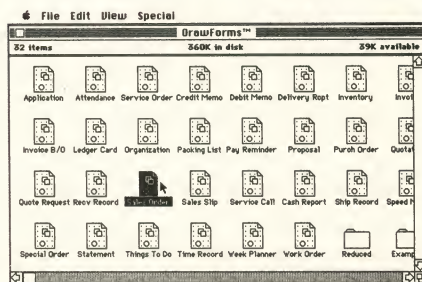
Network Consulting, Inc.  
3700 Gilmore Way, Suite 115  
Burnaby, B.C., Canada V5G 4M1  
604-430-3466

Retail Prices:  
\$89.98 Desk Pak  
\$49.95 Financial Analyst I  
\$49.95 Time Manager  
\$39.95 RAM Disk II  
Available now



# DrawForms

Business forms on disk



*System Requirements: 128K or 512K Macintosh. Special Requirements: MacDraw.*

DrawForms is a collection of all the most popular business forms, designed specifically for use with MacDraw.

The forms can be used exactly as they appear, or can be modified and customized as necessary. Company logos can be added as well.

The program can save money in many ways. Obsolete forms can be quickly brought up to date electronically. A business never need run out of critical forms since they are always on hand on disk. Filing and storage space is saved since only small quantities of forms need to be printed at a time.

DrawForms can be filled out on screen, with all the advantages of computerized corrections, and the completed form printed out with all information intact.

Finally, filled-in forms can be filed electronically, ready for instant recall.

Datafood Software Company  
400 Country Dr., Suite H  
Dover, Del. 19901  
302-736-9098  
Retail Price: \$59  
Available now

# Facilitator

Group support; problem solving

*System Requirements: 128K or 512K Macintosh.*

Facilitator is designed to help groups of 10 or less get more work done faster and with greater accord.

Any group of people, from board committees and project teams to task forces and ad hoc groups, can use this program.

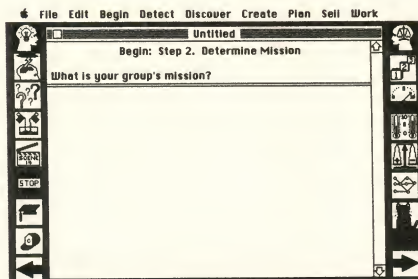
Facilitator is set up in various components starting with a Beginning procedure. It helps a group get organized, determine its mission, identify assignments, choose specific tasks to work on, and select the next appropriate step.

Problem-solving procedures included in the program are defined in three ways: detective, creative, and scientific. Should instructions be needed for any procedure, a group can call upon a variety of on-screen aids for help.

The help available to a group, such as Idea Generation, Decision Making, and Process Facilitation, is offered via icons bordering the Macintosh screen.

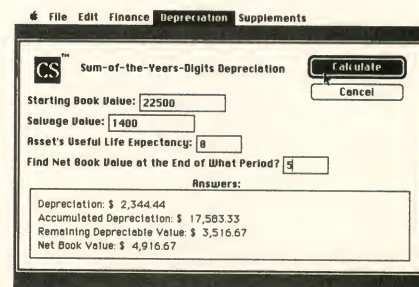
Other types of help include an Intro button that brings an overview of the entire program on screen, a Tutor icon to answer the what and why for any procedure, and a Coach icon that tells how to respond.

Organization Development Software  
1605 South Garden St.  
Palatine, Ill. 60067  
312-397-1684  
Retail Price: \$750  
Release Date: September, 1985



# Financial Utilities Pack

Financial analysis



*System Requirements: 128K or 512K Macintosh.*

The Financial Utilities Pack is an application that helps users find solutions to common financial problems.

The package allows a user to figure annuities, amortization, compound and simple interest, interest-rate conversions, and depreciation, and do a balance-sheet analysis.

Cognitive Software  
PO Box 26948  
Austin, Texas 78755  
512-346-7864  
Retail Price: \$69  
Available now



# These are some of in The Maci



*Microsoft® Word. Full feature word processor for memos, personalized form letters, sales reports or any professional document.*



*Back to Basics™. Manage your books with a full feature general ledger system for small business.*



*PFS®. Report. Prepare inventory reports, price lists, salary and payroll analyses and sales reports.*



*ThinkTank™ 512. An idea processor to organize projects, manage details, outline ideas and support decisions.*



*MacProject™. Create complex "critical path" flow charts for production schedules, timelines and managing projects.*



*Microsoft® Multiplan®. Electronic spreadsheet for budget forecasting, business planning and "what if" analysis.*



*Dow Jones Straight Talk™. Get up-to-the-minute information for informed business decisions on stocks, bonds and commodities.*



*Microsoft® File. Filting systems for mailing lists, payroll records, inventory and customer lists.*



*OverVUE®. Analyze sales, track inventory, update customer lists and monitor accounts receivable.*



# the hardest workers Macintosh Office.



*MacTerminal™ Talk to mainframes via 3270 emulation, as well as information services and other computers.*



*Lotus® Jazz™ Integrated word processing, business graphics, database management, data communications and worksheet.*



*PFS®: File. Store and retrieve mailing lists, client records, collections, schedules and inventories.*



*Microsoft® Chart. 42 different charts and graphs for presentations, sales reports and transparencies.*



*Filevision™ Visualize market trends, organize and track sales and present data in pictures.*



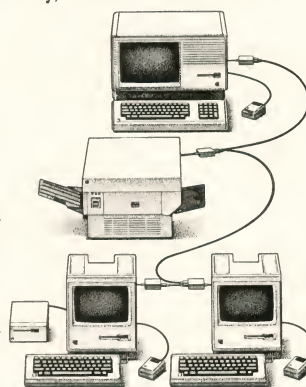
*Odesta Helix™ A relational database and decision support system for tracking information, resources and ideas.*

They're fast. They're dependable. And they seldom, if ever, complain.

We're talking, of course, about all the powerful business software that works in The Macintosh™ Office. Our family of integrated office products that, we believe, will revolutionize the way business does business.

And apparently, more than a few people agree with us.

Leading software developers have already written more than 350 programs for The Macintosh Office. And there are hundreds of others on the way.



*Just as Macintosh makes individuals more productive, The Macintosh Office increases productivity for workgroups of 5 to 25.*

But more impressive than the sheer number of programs for The Macintosh Office, is the sheer ease with which you can use them.

Thanks to Macintosh's windows, icons, pull-down menus and mouse technology, every Macintosh program works the same way. Learn one, and you've learned them all.

Which means you'll have a lot more time to do the one thing you've probably been too busy to do:

Your job.



\*Available Spring 1985. © 1985 Apple Computer, Inc. Apple, the Apple logo, MacProject and MacTerminal are trademarks of Apple Computer, Inc. Macintosh is a trademark licensed to Apple Computer, Inc. For an authorized Apple dealer nearest you call (800) 538-9696. In Canada, call (800) 268-7796 or (800) 268-7637.



## Forecasting and Time Series Software

### Two forecasting programs

*System Requirements: 128K or 512K Macintosh.*

The Forecasting and Time Series software package explores major techniques used for the analysis of time series and for the development of forecasting techniques based on such analysis.

The 23 separate program functions in this series include spectral analysis and correlograms, autoregression, fitting trends, two Box-Jenkins forecasting techniques, and more.

A utility program for the transfer of DIF files from spreadsheets is also provided, as are 12 time series used for practice.

The Business and Economic Forecasting program shows how to apply sophisticated forecasting techniques to business problems, especially to sales and marketing forecasts.

The problem of relating a company time series to a more general business time series is discussed in detail, as is the relation of forecasts to market audits.

Thirty separate programs as well as a data base of more than 50 business and economic time series are included in the Business and Economic Forecasting program.

Lionheart Press, Inc.

PO Box 379

Alburt, Vt. 05440

514-933-4918

Retail Prices:

\$125 Forecasting and Time Series

\$145 Business and Economic Forecasting

\$200 Both titles purchased together

Available now

## Optimization

### Business optimization

*System Requirements: 128K or 512K Macintosh.*

Optimization offers a review of useful optimization management techniques by the following criteria: experiment, mathematical programming, multiple objectives, simulation, and modeling.

Program applications include inventories and queues, portfolio management, and the optimization of specific functions.

Optimization also includes a general optimization program that accepts a user-defined function.

According to the dictionary, optimization is the process of making something as fully perfect as possible.

Lionheart Press, Inc.

PO Box 379

Alburt, Vt. 05440

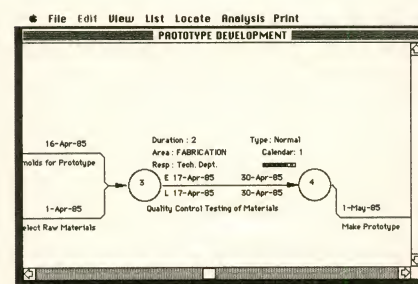
514-933-4918

Retail Price: \$90

Available now

## Resourceful

### Miscellaneous management



*System Requirements: 128K or 512K Macintosh.*

Resourceful is a software program that helps a user manage time and money.

With six separate calendars it can follow any task plan designed, taking into account that not every business activity gets done on a five-day work schedule.

Staffing increases and reductions are a

part of the program, along with keeping track of fixed and variable costs of certain projects.

Resourceful also calculates deadlines for projects using special resource analysis functions.

Paladin Software Corporation

2895 Zanker Rd.

San Jose, Calif. 95134

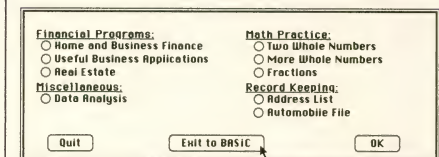
408-946-9000

Retail Price: \$295

Release Date: June, 1985

## Useful BASIC Programs

### Real estate investment, analysis



*System Requirements: 128K or 512K Macintosh.*

Useful BASIC Programs, also called Home/Business Disk, is part of a series of disks from Footsteps Software for the Macintosh microcomputer.

This program offers more than 45 different, integrated programs and subroutines in investment analysis, real estate, and data analysis.

The Home/Business Disk enables users to determine the present and future value of their home, depreciation, sales commission, mortgage and loan amortization, and balloon payments.

It also features mathematics practice, and assists in data analysis and record keeping.

Footsteps Software

PO Box 365

Cambridge, Mass. 02142

617-494-0910

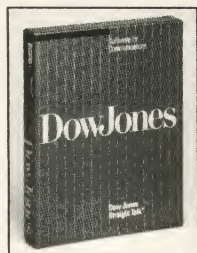
Retail Price: \$35

Available now



# Straight Talk.™

## The information software that keeps you on course.



You don't go sailing without the right navigational instruments. And you don't make business decisions without the right information.

Straight Talk and your Macintosh™ give you access to a world of timely information. Fast. So you have the information you need to make informed business decisions.

### Here's what it gives you:

- Automatic log-on and log-off to major information services like, Dow Jones News/Retrieval,® The Source<sub>SM</sub>, and CompuServe.
- The latest business information and financial news, plus airline schedules and fares, an encyclopedia, electronic mail and much more.
- Ability to review, save, edit and copy data received online *after* you hang up.
- Communication with other Macintosh computers via modem or networking.

And at \$95, Straight Talk is the least expensive, most diligent electronic know-it-all you'll ever come across.

Straight Talk is the precision instrument designed to make sure your ship comes in.

### Special Offer!

For a limited time, order Straight Talk at \$95 and get 5 hours of **free time** on Dow Jones News/Retrieval (approximately \$100 value). To order, see your local computer dealer\* or call:

**1-800-257-5114**, ask for John Austin.

(In New Jersey, Alaska, Hawaii and Canada, call 1-609-452-1511)

Please have your credit card information ready, including expiration dates. VISA, MasterCard, and American Express accepted.

**Act now** — Offer expires July 31, 1985.

\*To redeem offer send proof of purchase to Dow Jones & Company, Inc., John Austin, P.O. Box 300, Princeton, N.J. 08540.

Straight Talk works with Apple® Macintosh.™

**Dow Jones™**  
**Software**  
For Informed Decisions

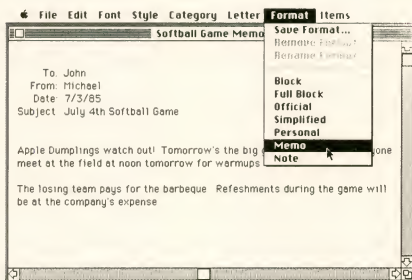


*"I think we turn left here."*



## Business Essentials

Correspondence; mail merging



*System Requirements: 128K or 512K Macintosh; or Macintosh XL running MacWorks XL.*

Business Essentials helps a user create professional-looking business correspondence from its data base of commonly used letters and forms. Users may also write and save personalized letters.

Each section of a business letter contained in the program's data base, such as the salutation, body, or closing, can be chosen from a variety of alternatives via the program's menu bar. These alternatives can change the tone of a letter to convey a wide range of meanings.

Any letter can be formatted as a business letter, memo, personal letter, or in a user's personal style.

In addition, program users can keep a list of customers, suppliers, and associates for bulk mailings; print out mailing lists and labels; and use any MacDraw or MacWrite document to create customized forms, stationery, or a letterhead.

Assimilation, Inc.  
485 Alberto Way  
Los Gatos, Calif. 95030  
408-356-6241  
Retail Price: \$49  
Available now

## Totalform

Form facsimile service

*System Requirements: 512K Macintosh; two disk drives or one disk drive and a hard disk recommended. Special Requirements: Microsoft File.*

Totalform is designed to turn ordinary business forms into Macintosh data bases. Users supply its manufacturer with copies of their forms and the company, in turn, puts a "reasonable facsimile" of each form on to a disk, which is returned to the user.

This Totalform disk, which requires Microsoft File, then allows the user to scroll through and fill out copies of these specific forms on the screen. The data base becomes a collection of the filled-out forms. Users may even design their own reports using any field on a form.

In addition, Totalform uses computed fields. This means almost any type of business form, including insurance, tax, billing, inventory, or payroll, is permissible. It will also search for forms matching any field criterion.

Nappo Computer Service  
20 Fatima Dr.  
Bethany, Conn. 06525  
203-878-8770  
Retail Price: \$29.95 each form  
Available now

## Varioform

Preprinted forms

*System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft Multiplan; an external disk drive and printer are recommended.*

Varioform is a software program that allows a user to view the total text of a preprinted business form on a Macintosh screen. The program, however, prints only the text that has to be filled in on the form.

Designed for small businesses, Varioform makes use of a near-letter-quality font for printing purposes, and it is available in Dutch, English, French, and German.

The program requires Microsoft Multiplan in order to operate, and its manufacturer recommends the use of a printer and an external disk drive.

Mexoft Belgium  
140 Wirtzfeld Ave.  
B 4761 Bullingen  
Belgium  
0032-80647713  
Retail Price: \$69.95  
Available now





**ExperTelligence™** has the “tools” to transform your Macintosh™ into a powerful Artificial Intelligence workstation. **ExperLisp™** is the first complete implementation of LISP on a microcomputer. Developed on a Symbolics 3600,™ the compiler generates efficient MC68000 code providing speed and function ideal for the development and delivery of sophisticated AI applications. **ExperOPS5,™** by Science Applications International Corporation, is a complete implementation of the well-known OPS5 expert systems

building tool. It provides a fast and efficient method for constructing complex Expert Systems. **ExperLogo™** features 3-D and spherical graphics, English-like commands and shares the speed and function of ExperLisp. In the classroom or in the lab, ExperLogo provides an environment for discovery and exploration for children and developers alike.

**Call today** for more information about these and other innovative AI products.

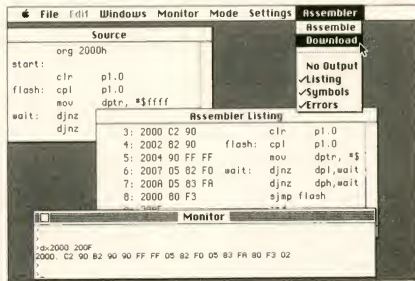


ExperTelligence, Inc.  
559 San Ysidro Road  
Santa Barbara, CA 93108  
Tel: 805/969-7871



## AELM-51 Assembler/Editor/ Loader

Software development; research



*System Requirements: 128K or 512K Macintosh.*

The AELM-51 Assembler/Editor/Loader software program—on three separate disks—is designed to help interface Intel MCS-51 microcontroller objects with a Macintosh. The software generates object code and listings intended primarily for the Metaresearch BenchTop Series of remote laboratory devices.

Other brands of microcontroller hardware are accessible by a simple serial protocol via the Macintosh's serial port.

The AELM-51 user is given a Source Window, a Listing Window, and a Monitor Window. The Source Window is used to edit text in much the same way as a typical Macintosh, mouse-oriented text editor.

The Monitor Window is a "graphics terminal" to the serial guest device. It has Tektronix 4012-compatible graphics features, allowing a guest microcontroller to send graphical information to the computer.

Guest microcontrollers may include oscilloscopes, frequency counters, generators, etc.

Metaresearch, Inc.  
1100 SE Woodward  
Portland, Oreg. 97202  
503-232-1712  
Retail Price: \$250  
Available now

## BI-2

Language interpreter

*System Requirements: 128K or 512K Macintosh.*

BI-2 is a business-oriented, BASIC-language interpreter that provides features similar to that of an operating system such as device handling, process scheduling, and file management. In addition, it also supports networking.

This particular version of the program features a librarian utility that increases the speed of program loading, helps to ease file organization, and reduces hard-disk usage.

Control-C Software, Inc.  
6441 SW Canyon Ct.  
Portland, Oreg. 97221  
503-292-8842  
Retail Price: \$500  
Release Date: Second quarter, 1985

## DeSmet C

Software development

*System Requirements: 128K or 512K Macintosh; second disk drive or a hard disk recommended.*

The DeSmet/Ouye C Development Package allows a user to create application programs on a Macintosh.

The package includes a C compiler that generates 68000 code, a shell or command interpreter, a text editor, a 68000 assembler, a file linker, a C library with more than 120 routines, a ROM interface library, a file librarian, and a RAM Disk emulation program for the 512K Macintosh.

The manufacturer recommends the use of two disk drives or an optional hard disk. Using the Ram Disk as the system disk, in effect, gives a user a second drive on a 512K Mac.

On 128K Macs a system disk with the System file, shell, editor, compiler, assem-

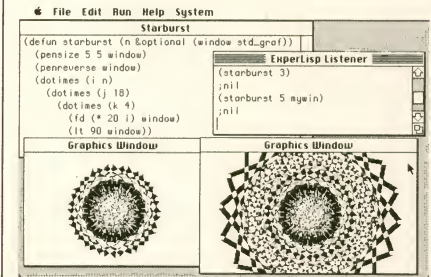
bler, linker, and library leaves approximately 90K of disk space for program development; or enough to get started.

DeSmet C is not available from dealers or distributors.

C Ware Corp.  
PO Box C  
Sunnyvale, Calif. 94087  
408-720-9696  
Retail Price: \$150  
Release Date: June, 1985

## ExperLisp

Programming language



*System Requirements: 512K Macintosh with an external disk drive; or a Macintosh XL with a hard-disk drive.*

ExperLisp is a compiled version of the Lisp programming language, which predominates in the artificial-intelligence field.

ExperLisp gives users access to numerous Macintosh graphics routines, pull-down menus, multiple windows, and operating-system routines in addition to a Lisp code optimized for the MC68000-based Macintosh and Macintosh XL computer systems.

The ExperLisp compiler compiles directly to MC68000 machine code. During interactive programming, the compiler



is invisible to the user and is fully integrated with the top-level interpreter loop, the editor, the interactive debugger, and the trace facility.

ExperLisp supports large program libraries because it supports virtual space for procedures and data structure. In addition, it allows a user to run programs that are larger than the machine's memory because only the code for the currently executing function need be in RAM at any given time.

Other features include an interactive editor/interpreter buffer that allows a user to edit and evaluate expressions and output, and the same three-dimensional graphic capabilities found in its sister program, ExperLogo.

ExperTelligence, Inc.  
559 San Ysidro Rd.  
Santa Barbara, Calif. 93108  
805-969-7874  
Retail Price: \$495  
Available now

## Linear And Non-linear Programming

Mathematical programming

*System Requirements: 128K or 512K Macintosh.*

This book and software shows how to use mathematical programming techniques in business situations. A Monte Carlo technique is used for fast linear, quadratic, and non-linear programming models that can handle large data sets.

A simplex model for linear programming is also supplied. Applications of the techniques are given in the assignment problem, the distribution and transporta-

tion problems, and the traveling salesman problem.

Seven computer programs are included.

Lionheart Press, Inc.  
PO Box 379  
Alburt, Vt. 05440  
514-933-4918  
Retail Price: \$85  
Available now

## MacFORTH Level 3 Developer's Kit

Software development

*System Requirements: 128K or 512K Macintosh.*

The MacFORTH Level 3 Developer's Kit is a software program that can be used to develop commercial and other applications in MacFORTH on and for the Macintosh.

It is a combination of the MacFORTH Level 1 Explorer's System and the MacFORTH Level 2 Professional System from the same manufacturer.

MacFORTH Level 1 permits user access to the graphics, windows, menus, serial, and sound features of the Macintosh.

Level 2 does the same and includes a 68000 in-line assembler, floating point, advanced graphics, and additional controls support.

Level 3 is a superset of Levels 1 and 2 with all of their features plus 512K support, overlays for large programs in 128K, and sample turnkey applications. A turnkey application is one where the MacFORTH kernel is invisible to the user.

Purchasers of the Level 3 Developer's Kit are licensed by the manufacturer to use the MacFORTH kernel without royalty payments, providing terms of a MacFORTH Level 3 license agreement are kept.

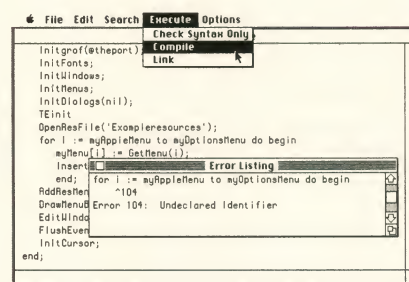
MacFORTH Levels 1 and 2 are available through major software distributors and

dealers. Level 3 will be distributed initially by its manufacturer, listed below.

Creative Solutions, Inc.  
4701 Randolph Rd., Suite 12  
Rockville, Md. 20852  
301-984-0262  
Retail Prices:  
\$499 Level 3 Developer's Kit  
\$350 Level 1 upgrade to Level 3  
\$250 Level 2 upgrade to Level 3  
Available now

## MacLanguage Series

Software development



*System Requirements: 128K or 512K Macintosh. Inclusions: Sample programs in Pascal and BASIC.*

The MacLanguage Series Pascal and MacLanguage Series BASIC programs—two separate products—are software-development systems for creating Macintosh applications and desktop accessories in Pascal and BASIC, respectively.

The MacLanguage Series Pascal program includes a Pascal compiler that provides direct access to all Macintosh toolbox and operating-system operations, a linker, and a resource maker that provides standard Macintosh editing features.

Pascal programs may be compiled directly from memory or disk, and the compiler may be used in either of two



ways: to check the syntax of a program, or to compile a program and generate native 68000 code.

The MacLanguage Series BASIC program, which can be used to create applications that run faster than in interpreted BASIC, also contains a compiler that generates native 68000 code and a linker integrated into standard Macintosh editing features.

Operation is just like the Pascal program in that the BASIC compiler may be invoked in the same two ways, and errors detected by the compiler are written to a special Error Listing window to a programmer's attention.

In addition, the BASIC compiler is compatible with the Microsoft BASIC interpreter.

TML Systems  
582 North Wickham Rd., Suite 93  
Melbourne, Fla. 32935  
305-242-1873  
Retail Price: \$49.95 Each  
Available now

## MacNosy

### Disassembler

*System Requirements: 512K Macintosh or a Macintosh XL.*

MacNosy is an interactive disassembler that allows software developers and/or hobbyists to recover the source code of any Macintosh application file, ROM, or code-type resource on the system file (i.e. DRVr, INIT, PACK, etc.).

MacNosy includes features that automatically subdivide the program into procedures and referenced data blocks by a treewalk and global-flow analysis, perform value to symbol substitution via dictionaries for references to trapnames and global symbols, and more.

MacNosy also reformats data into its "natural format" via commands; directs disassembled output to a file for inspection or assembly; produces a reference

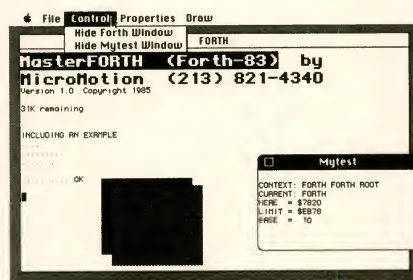
map for procedure names, trapnames, etc.; suspends execution until a later time; and more.

Use of MacNosy requires a knowledge of both programming and assembly language.

Jasik Designs  
343 Trenton Way  
Menlo Park, Calif. 94025  
415-322-1386  
Retail Price: \$70  
Available now

## MasterFORTH

### Programming language



*System Requirements: 128K or 512K Macintosh. Inclusions: Tutorial.*

MasterFORTH is an implementation of the Forth programming language that matches the implementation described in the 200-page *Mastering Forth* tutorial, included with the package.

The Macintosh version comes with a 68000 macro assembler and supports the computer's mouse, finder, menus, and complete graphics toolbox. It also includes a string package, screen editor, and resident debugger.

Optional extensions of MasterFORTH include Floating Point, with trigonometric, logarithmic, and hyperbolic functions; and a Relocator for creating relocatable overlays. Floating Point and the Relocator must be purchased separately.

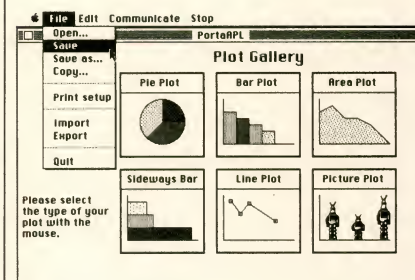
FORTH is suitable for developing real-time applications such as data acquisition, process control, animation, and video games. It has been used in expert systems,

educational software, spreadsheets, word processors, and scientific and engineering applications.

MicroMotion  
12077 Wilshire Blvd., Suite 506  
Los Angeles, Calif. 90025  
213-821-4340  
Retail Prices:  
\$125 MasterFORTH  
\$40 Floating Point  
\$60 Relocator  
Available now

## PortaAPL

### Language interpreter



*System Requirements: 512K Macintosh. Inclusions: Sample APL programs.*

The PortaAPL software package is an interpreter for the standard APL programming language that contains all the primitive APL functions, system functions, and system commands given in the IBM/ACM APL standard except shared variables.

PortaAPL also contains a number of extensions to the standard APL language including a full-screen editor, the ASCII character-set option, and the Host File System Option. In addition, System functions are available for accessing many Macintosh ROM routines such as Quickdraw graphics, communications, and sound generation.

PortaAPL for the Macintosh is upwardly compatible with the IBM PC version of



# \*First of the second generation hard disk drives for Macintosh.

You need a Macbottom™ hard disk drive to enhance the power and speed of your Macintosh. Macbottom with ten plus megabytes of storage is the fastest disk you can attach to your Macintosh. And more data storage no longer means sacrificing desk space. Macbottom is the only high capacity hard disk drive system that's two inches high and fits perfectly under your Macintosh. Since it weighs less than five pounds you can take it everywhere you take Mac. Macbottom and your Macintosh are a perfect match.

**Macbottom . . . designed by Mac Users . . . for Mac Users!**

- Built-in power fail detection protects valuable disk data.
- Automatic turnon feature requires no extra switches.
- Connects to either modem or printer port.
- Variable size volume allocation utilizes all available space efficiently.
- Backup program makes backup foolproof and fast!
- Printer spooler frees the Macintosh™ for more work.
- Works with 128k or 512k Macintosh.
- Warranted for six months—parts and labor.



**P**ersonal  
**C**omputer  
**P**eripherals  
**C**orporation

6204 Benjamin Road Tampa, FL 33614  
1-800-MACBUTT (813) 884-3092



Come see Macbottom during the Boston  
MACWORLD Expo at booths 326 and 328.

Macintosh is a trademark licensed to Apple Computer, Inc.



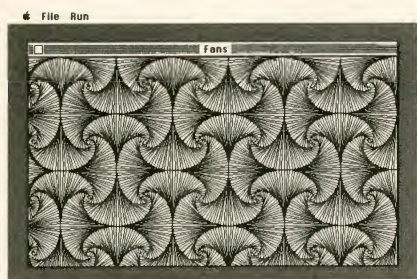
PortaAPL, released in 1984. APL programs written for the IBM PC can be moved to a PortaAPL-equipped Macintosh with few or no changes.

APL is an acronym for the A Programming Language, used for algorithmic interactive programming.

Portable Software  
60 Aberdeen Ave.  
Cambridge, Mass. 02138  
617-547-2918  
Retail Price: \$275  
Available now

## Rascal

### Programming language



*System Requirements: 128K or 512K Macintosh.*

Rascal, short for real-time Pascal, is a Pascal-like language intended to be used by educators and researchers. It may also be useful in laboratory settings where a Macintosh will be coupled with traditional experimental apparatus.

A brief rundown of program features includes fast, compiled code for multi-tasking, I/O-oriented programs; an editor/compiler/linker/executor development system in a single application; built-in millisecond timing functions; support of the complete Macintosh toolbox; and more.

Other features include in-line placement for streaming 68000 code; application making, allowing any executable Rascal code to be turned into a stand-alone application; real-time mainline looping for handling screen, keyboard, and mouse

activity; and more.

Rascal was developed at Reed College, Portland, Oreg., a member institution of the Apple University Consortium.

Metaresearch, Inc.  
1100 SE Woodward  
Portland, Oreg. 97202  
503-232-1712  
Retail Price: \$99  
Available now (Alpha release)

## TMON

### Programming utility

*System Requirements: 128K or 512K Macintosh.*

TMON is an interactive, multi-window monitor/debugger for the Macintosh. It provides fast implementation of windows on the screen which results in no lost information as it scrolls off the screen, allows sections of codes to be cross-referenced, and much more.

The windows are updated continuously as well, and the program includes file windows that identify all resources in all open resource files.

Other features include an interactive 68000 assembler/disassembler, heap windows, register windows, numerical conversion functions, up to seven break points, and many A000-trap functions.

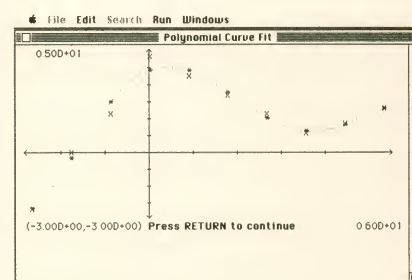
TMON allows printing to a printer, external computer, or terminal. Any window on the screen can be printed, as can heap and resource file dumps and disassemblies and dumps of arbitrarily large blocks of memory.

The manufacturer says that the product is vital for anyone wishing to do efficient and accurate software development on the Macintosh.

TMQ Software, Inc.  
1110 Lake Cook Rd.  
Buffalo Grove, Ill. 60090  
312-520-4440  
Retail Price: \$150  
Available now

## BASIC Programs for Scientists and Engineers

### Science and engineering



*System Requirements: 128K or 512K Macintosh; second drive and a printer are optional. Special Requirements: Microsoft BASIC 1.x or 2.x.*

Under license from SYBEX, Inc., Footsteps Software has included several technical applications from Professor Alan R. Miller's book, *BASIC Programs for Scientists and Engineers*, on a software diskette.

The diskette includes over 30 programs and subroutines covering statistics, vector and matrix operations, simultaneous equations, complex equations, sorting and file access, data plotting, curve fitting (regression), equation solving (root finding), numerical integration, and more.

If interested, the book can be purchased direct from SYBEX or from leading microcomputer and book stores. The software can be obtained by contacting the address below:

Footsteps Software  
PO Box 365, Dept. F  
Cambridge, Mass. 02142  
617-494-0910  
Retail Price: \$35  
Available now





# Feed your Mac.

## Introducing ThunderScan.™

*Now you can turn any printed image into a detailed, high-resolution Macintosh graphic.*



*Just roll your original into your Imagewriter.*



*ThunderScan scans and digitizes the image.*



*Presto! A high-resolution MacPaint document.*

No doubt about it, Macintosh is one great graphics machine. But until now, Mac graphics have been limited to what you can draw with a mouse and what someone else has put on a disk. Consequently, taking full advantage of Mac's graphics capabilities has been tough. But now there's ThunderScan. The new optical scanning device that lets you feed your Mac a steady diet of graphics that are useful to you.

ThunderScan turns Mac's Imagewriter printer into an image reader. So you can digitize any printed image and turn it into a detailed, high-resolution MacPaint document. Anything, including forms, half-tones, photos, mechanical drawings, maps, floorplans, logos, signatures and more. From black and white and color originals. ThunderScan reproduces them at over 200 dots per inch and in 32 shades of gray.

ThunderScan's application software, written by Mac-team-member, Andy Hertzfeld, makes it an extremely versatile and useful tool. You can gen-

erate full-page images or selected parts of them. Enlarge and reduce them. Manipulate them. Control the contrast and brightness. Create your own personal image disk. "Cut" and "paste" images together, creating new documents. And print them out on your Imagewriter. Or send them by modem to another Mac. The possibilities are nearly endless.

***No lights, no camera, just action.***

What you see here is the complete ThunderScan system. You don't have to buy an expensive video camera. Just pop out your Imagewriter's ribbon cartridge, snap in ThunderScan and you're set.

It can even work in the dark (maybe you can think of an application for that).

If you bought a Mac at least partly for its graphics, only to find you couldn't take full advantage of them, now you can. With ThunderScan.

At an introductory price of just \$229, it's a small price to pay for a whole new graphics capability.

For more information or a ThunderScan of your own, see your dealer or call us today.

(415) 254-6581



***ThunderScan***

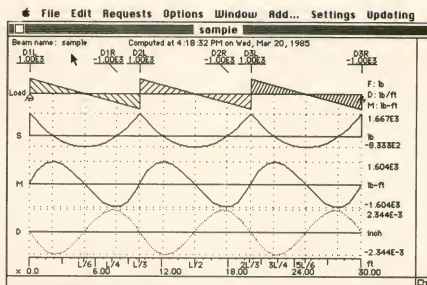
Circle 19 on Reader Service Card

Thunderware Inc., 21 Orinda Way, Orinda, CA 94563



## BEAMAC

### Beam analysis



*System Requirements: 128K or 512K Macintosh; or Macintosh XL.*

BEAMAC is a stand-alone software program that allows civil and mechanical engineers to perform beam-analysis studies and takes advantage of the Macintosh user interface for all input and output.

The program can perform a graphic and numerical analysis of any statically determinate beam. Indeterminate beam analysis will be available on the version due out in June.

The program provides high-resolution graphics that display loading, shear, moment, and deflection. No approximations are used, and a stiffness matrix is available for indeterminate structures.

BEAMAC can run on a 128K Mac with a single disk drive since the program and data all fit on one disk. It will also run on a 512K machine or a Macintosh XL.

A demo disk and a manual are available direct from the program's developer for \$10. Owners of version 1.00 may receive version 1.01 free of charge by returning their original disk.

Erez Anzel  
5700 Arlington Ave., Apt. 7L  
Riverdale, N.Y. 10471  
212-884-5798  
Retail Price: \$95  
Available now

## The BenchTop

### Laboratory control

*System Requirements: 128K or 512K Macintosh.*

The BenchTop turns a Macintosh into a central controlling device for up to 256 serially networked laboratory instruments.

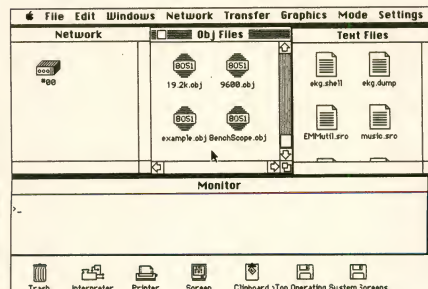
The software allows the computer to communicate with networked instruments via a built-in terminal emulator.

It also contains a command-file interpreter that can be used to create a simple program that will control all such instruments and record the data being sent. By running a command file, a user can also have The BenchTop perform more mundane processing and data-storage tasks unattended.

The BenchTop is compatible with the Rascal graphics-oriented computer language developed at Reed College in Portland, Oreg. Several different Rascal programs can be run at the same time, and additional programs creating instrument panels and displays for the devices on a BenchTop laboratory hookup can be written using a Rascal compiler.

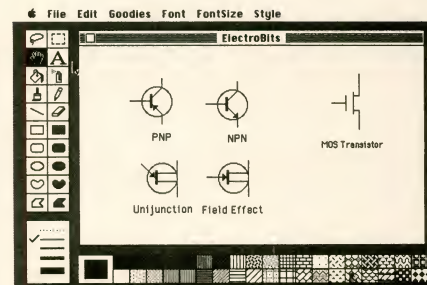
The BenchTop is also compatible with the AELM-51 software package made by Metaresearch.

Metaresearch, Inc.  
1100 SE Woodward  
Portland, Oreg. 97202  
503-232-1712  
Retail Price: \$89  
Available now



## Electro Bits

### Circuit graphics



*System Requirements: 128K or 512K Macintosh.*

Electro Bits is a graphics tool that employs the MacPaint function to draw circuit diagrams. A large selection of electronic elements and computer symbols is available to the user.

The program is comprised of two main sections: Hardware and Software. The Hardware section consists of an Analog and a Digital module. The Software section consists of the Flow Chart Symbols and Flow Chart Sample modules.

Any computer symbol or electronic element can be surrounded with text to create schematics and circuit diagrams, help create and edit flowcharts and assembly drawings, and add touch and emphasis to electronic designs.

All symbols and elements can be changed to different choices of sizes and styles including alignment.

Electro Bits is available in English or Spanish versions.

Medina Software  
2008 Las Palmas Cir.  
Orlando, Fla. 32822  
305-281-1557  
Retail Price: \$24.95  
Release Date: June, 1985



The fastest selling, highest quality case made for the Macintosh Computer.

# MacTote.™

*PrintTote for  
Imagewriter  
coming soon!*



Now your Macintosh Computer can leave your home or office fully protected and in style.

The **MacTote** computer case is clearly the finest carrying case manufactured especially for your Macintosh Computer, and for a number of easy-to-see reasons:

1. Padded pouch for mouse;
2. Open pouch for manuals or notes;
3. Open, padded pouch for keyboard;
4. Side handle for easy carrying and stability;
5. Padded, Velcro handle (no snaps);
6. Padded, non-slip shoulder strap;
7. Velcro pouch for disks or accessories on side of case;
8. Zippered padded pouch for disk drive;
9. Padded pouch for accessories, modem, cords, etc., and extra padding to protect Macintosh's screen;
10. Reinforced bottom fully supports and distributes weight of Macintosh;
11. Heavy-duty nylon zippers.

**Optimum Computer Luggage** has extensive experience in making top-of-the-line totes and accessories and

**MacTote** is the latest in a long line of beautiful and functional luggage. Made



of long-wearing and completely water-resistant Cordura, **MacTote** gives you every feature you'll ever need for carrying your Macintosh and peripherals.

Another attractive feature is **MacTote's** low price, which makes it even easier to pick up and carry away.

Call our 800 number today for the dealer nearest you so you can get a **MacTote** for your Macintosh.

Who says you can't take it with you?

**Call (800)447-0300**

Or in CA TOLL FREE (800)632-4200.

**OPTIMUM**  
COMPUTER LUGGAGE

*The Finest Quality  
Doesn't Have To Cost More.*

9005 Complex Drive  
San Diego, CA 92123

Macintosh is a trademark licensed to Apple Computer, Inc.  
MacTote is a trademark of Optimum Computer Luggage.



## Engineering Tool Kit

Engineering data; graphics

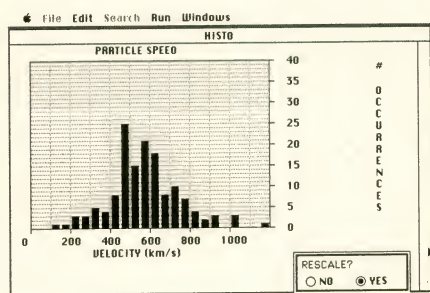
*System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft BASIC 2.0.*

Engineering Tool Kit is used to record numeric engineering data, translate data into graphics form, and generate statistical reports.

The program takes advantage of the Macintosh mouse, dialogue boxes, and provides the following graph types: trend charts, histograms, and scatter plots with optional best-fit curves.

The Engineering Tool Kit also provides statistical functions such as multiple linear regression and analysis of variation, and features a scientific calculator with log-arithmic, arithmetic, and trigonometric computational capabilities.

SofTools  
PO Box 8751  
Boise, Idaho 83702  
208-343-1437  
Retail Price: \$99  
Available now



## Farm Management

Production; marketing

*System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft BASIC.*

Commodities Charting, Cash Crop Breakeven, and Farm Bookkeeping are three software programs in the Compulize series designed to assist agricultural producers with production and marketing decisions.

**Compulize Commodities Charting** is based on the theory that two-thirds of all farm crops are sold in the bottom one-third of the market. It is designed to help a user sell crops in the top third of the market.

The program allows a user to track information concerning a number of commodities using data entered by hand or telecommunicated from an outside source. It can be used to determine moving averages, trends, internal strength, and more, and it also prints a variety of graphs.

**Compulize Cash Crop Breakeven** helps a user determine the most profitable crop to be grown on any given field. It can be used to calculate production costs by pound, bushel, or ton and total cost per acre, profit per acre, break-even yield, and selling price.

The program also calculates break-even cash rent and purchase price for land and the future value of a crop.

**Compulize Farm Bookkeeping** combines farm record keeping with enterprise analysis. The accounting side of the program is a modified double-entry system; a user makes a transaction into the affected account and the program makes the offsetting entry.

Reports produced with this program include account, crop, livestock, field, lot or bin, and balance sheet and profit/loss, which helps determine overall financial position.

The enterprise side of the program identifies the costs to raise each bushel or head, cost per bushel or head, and the cost to grow an entire crop or to raise a

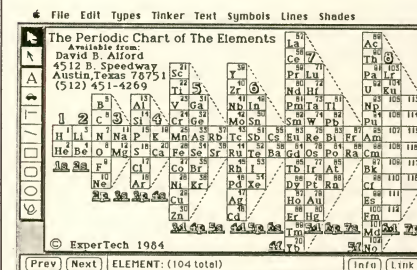
whole herd of livestock. Enterprise analysis can also be broken down into farms, fields, or lots.

Hutch Computer Industries  
555 Third Ave. NW  
Hutchinson, Minn. 55350  
612-587-2940

Retail Prices:  
\$395 Commodities Charting, Microsoft BASIC  
\$129 Cash Crop Breakeven  
\$695 Bookkeeping, Microsoft BASIC, and Cash Crop Breakeven  
Available now

## Knowledgedisk

Periodic Chart of the Elements  
templates for Filevision;  
teaching aid



*System Requirements: 128K or 512K Macintosh; Filevision data-base program. Various information sheets.*

The first program disk in the Knowledgedisk software line contains a series of templates that run on the Filevision data-base program made by Telos Software.

These templates are based on the Periodic Chart of Elements, a listing of chemical elements arranged according to their atomic numbers. They are designed to be interactive, educational teaching aids for students in elementary chemistry classes.

Enclosed with the software is a series of



# How to design and produce the perfect page in 15 minutes

Get ReadySetGo™. Because ReadySetGo automates page design and production, turning your Mac into a professional publishing system.

It's ideal for any project requiring page layout, like a presentation, newsletter, report, form, flyer, slide or ad.

accurate positioning not possible with the mouse alone.

Keyboard text from scratch or bring it in from other Mac programs. Either way, you get full text editing features with the ability to change font, style and size at any point.

ReadySetGo supports all Mac fonts including real typefaces like Times™ and Helvetica™ and all sizes 1 thru 99. When you edit text or resize a block, the display instantly updates and text automatically refits the block.

Use graphics blocks to make frames, solids or pictures. And bring in graphics from other Mac programs. Move and resize graphics blocks just like text blocks.

Build pages dynamically from blocks containing text or graphics. Move the blocks around the page and resize with the mouse. There's a ruler for visual positioning but a unique specification sheet gives each block's exact design and allows very



Create a page of any standard size and use show page for a scaled view of the entire page. Show page updates continuously as your work progresses.

Store pages on disk as full documents or as layouts which can be used for future projects. Print finished pages on the ImageWriter™ or on the LaserWriter™ for superb publication quality output.

At just \$125 ReadySetGo is truly the first of its kind. Visit your local dealer or call us at 212-989-6442 for the store nearest you.

ReadySetGo™  
ReadySetGo™  
ReadySetGo™

## The Ultimate Page Processor™

ReadySetGo requires a 512K Mac. ReadySetGo and "The Ultimate Page Processor" are trademarks of Manhattan Graphics Corporation. ImageWriter and LaserWriter are trademarks of Apple Computer, Inc. Times and Helvetica are trademarks of Allied Corporation. ©1985 Manhattan Graphics Corporation, 163 Varick Street, New York, N.Y. 10013 212-924-2778.



information sheets describing the two versions of the Periodic Tables included on the diskette. Also included is an interview with Guy Kawasaki of Apple Computer, Inc., giving his views on the start-up industry of Filevision data-base templates.

Expertech

4512 B. Speedway  
Austin, Texas 78751  
512-451-4269

Retail Price:

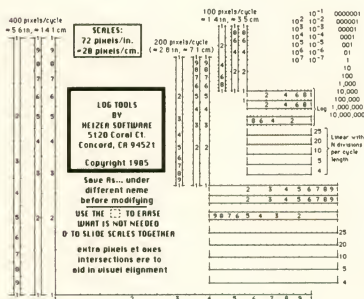
\$29.95 If no disk is provided

\$25 If a disk is sent along with order

Available now

## LogarithMac

Logarithm templates



*System Requirements: 128K or 512K Macintosh.*

LogarithMac is a three-disk package that includes 76 MacPaint logarithm templates covering most logarithmic-function graphing requirements.

The software is directed toward a specialized market including scientists, engineers, and economists, and it also has

many practical business applications.

The templates come in different sizes and in combinations of cycles and various orientations. Some are as large as an 8 by 10-inch MacPaint page. The larger layouts allow more detail to be shown and more visible presentation graphics to be created.

A special feature of LogarithMac is its Log Toolbox, which allows a user to prepare any chart not covered by the included templates. The Toolbox, as well as the 76 templates, also eliminates the necessity of calculating and counting out complicated logarithmic scales pixel by pixel.

Heizer Software

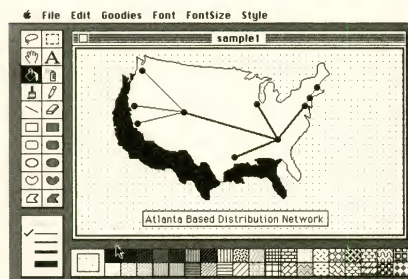
5120 Coral Ct.  
Concord, Calif. 94521  
415-827-9013

Retail Price: \$39.95

Available now

## MacAtlas, Volume 1

Geographical maps



*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.*

Volume 1 of MacAtlas is the first of a four-part series of clip-art MacPaint documents. Each program disk in the series will contain approximately 15 documents (over 300K) of professionally designed and edited outline maps.

Volume 1 consists of the United States depicted in three sizes: 8 by 10, 5 by 7, and several clipboard sizes for easier transfer between Macintosh applications. Each size shows national borders, census

regions, census divisions, and states.

Each map outline in the MacAtlas series may be used as is or enhanced with MacPaint in order to display different data distributions, and all may be printed out on an Imagewriter or LaserWriter printer.

Volumes 2, 3, and 4—available later this year—will include maps of the world, outlines of all continents showing individual countries, and maps of all U.S. states divided by counties.

Micro:Maps

PO Box 1353  
Morristown, N.J. 07960  
201-658-4333

Retail Price: \$79

Release Date: June, 1985 (Volume 1)

## Mac Bar Code Printing Program

Label maker

*System Requirements: 128K or 512K Macintosh. Special Requirements: Imagewriter printer.*

The Mac Bar Code Printing Program allows a user to print bar-code labels in a wide range of sizes, densities, and with a variable number of characters on an Apple Imagewriter printer.

The program can be purchased along with a bar-code reader, made by the same manufacturer.

TPS Electronics

4047 Transport St.  
Palo Alto, Calif. 94303  
415-856-6833

Retail Price: \$50 with purchase of bar-code reader

Available now



## MacCAD

Drawing templates; engineering

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacDraw.*

MacCAD is a series of 12 separate software templates that can be used with MacDraw to speed up and ease the process of producing professional-looking engineering drawings.

Each package contains drafting tools or The MacDrafter Toolkit (which may also be purchased separately), drafting symbols, and specific drafting information.

The 12 template packages in order are: The MacDrafter Toolkit; The Home Designer; Architectural Design; Mechanical Design; Printed Circuit Design; Electronic Design; Ruled Isometric Sheets With Ovals; Flow Charts And Logic; Office, Store, And Restaurant Layout; Single Line Orthographic Piping; Two Line Orthographic Piping; and Single Line Isometric Piping.

The MacDrafter Toolkit contains protractors, triangles, drafting sheets with title blocks, drafting symbols and abbreviations, dimension and tolerance symbology, and a drawing-scale selector guide.

CompServCo  
800 Freedom Ln.  
Slidell, La. 70458  
504-649-0484  
Retail Price: \$30 to \$120 per package  
Available now

## MacComp

Composition and publishing system

*System Requirements: 128K or 512K Macintosh. Inclusions: All hardware and software.*

MacComp is a complete Macintosh hardware and software system that enables a user to compose both text and graphics in camera-ready form for publication or photocopying purposes. When used with Apple's LaserWriter printer, it can make originals that appear to have been professionally typeset.

The system permits one, two, or three columns of text to be intermixed with pictures. It also allows files to be input from MacWrite and MacPaint as well as from its own, built-in word processor.

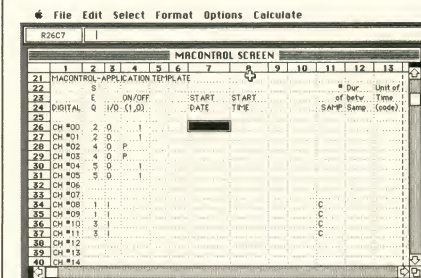
In addition, the MacComp system contains an electronic ruler; a through-the-lens camera; a scissor pointer that allows a user to clip a column of text into fragments or carryovers; a separate format menu, layout menu, and print menu; as many open windows as desired; and a minipage and dummy with miniatures of page-makeup layouts.

The MacComp system can be used to produce newsletters, brochures, annual reports, direct-mail fliers, resumes, advertising publications, proposals, catalogs, technical manuals, and so on.

Infotek, Inc.  
56 Camille Ln.  
East Patchogue, N.Y. 11772  
516-289-9682  
Retail Price: \$6,499 and up  
Available now

## MacControl

Data acquisition; laboratory control



*System Requirements: 128K or 512K Macintosh; or Macintosh XL running MacWorks XL. Special Requirements: Imagewriter printer and hard disk recommended. Inclusions: Microsoft Multiplan.*

The MacControl software package includes the same data-acquisition capabilities and control of laboratory instruments and industrial sensors as its sister package, the Macacquisition program.

Applications can be defined using a Multiplan spreadsheet template, corresponding data can be collected, and that data can be reduced for inclusion in reports or charts.

MacControl, however, also allows a user to set up more controlled logic parameters with decision criteria, and collect statistics on the results.

Small Business Computers of New  
England, Inc.  
4 Limbo Ln.  
PO Box 397  
Amherst, N.H. 03031  
603-673-0228  
Retail Price: \$695  
Available now





# Announcing the only devoted entirely to

*Sponsored by MACWORLD,  
the Macintosh Magazine,  
August 21-23, 1985, Bayside  
Exposition Center, Boston*

The second standard in business computing has arrived, and it's called the Macintosh Office. The power, flexibility, and ease of use of the Macintosh offer you the alternative you've been waiting for. And the introduction of the Macintosh Office provides all levels of business with a choice.

The Macworld Exposition is your chance to see it all in one place—software, hardware, and peripherals developed for the Macintosh. See for yourself the products available now that will help you work faster, easier, and smarter.

**All of the elements of the Macintosh Office will be on display. The 512K Macintosh, the LaserWriter, and AppleTalk™, as well as Jazz™ from Lotus®, are just a few of the products you'll get to see.**

The Macworld Exposition has a targeted schedule designed to fit your busy schedule. As a dealer, a distributor, a retailer, a business user, or an educator, the three-day conference and exposition is designed for you.

Day one is for dealers, distributors, retailers, and other third-party vendors to talk to Apple and the 100+ exhibiting companies about their products.

Days two and three are specifically geared for people interested in the Macintosh as a tool for business and anyone else interested in the Mac.

## **Who should attend?**

**Industry:** Dealers, distributors, retailers, wholesalers, manufacturers, systems houses, consultants, technical programmers, all other ISOs

**Business:** CEOs, presidents, vice presidents, managers, comptrollers, owners/partners

**Professionals:** Doctors, nurses, bankers, lawyers, engineers, stockbrokers, real estate and insurance agents, CPAs, consultants

**Education:** Administrators, faculty, students

## **Here's a look at some of the conference sessions designed for you:**

- The Outlook for the Mac in the Office
- Developing Software for the Macintosh
- How to Start and Survive in Business with a Macintosh
- Maximizing MacPaint®
- The Mac Clinic
- A Guide to Better Business Graphics
- Maximizing MacWrite®
- Database Management on the Macintosh
- Getting the Most out of Spreadsheet Programs
- How to Get Your Programs Published
- What's Available in Mac Software
- File Management Tips and Techniques
- Maximizing Macintosh Disk Storage
- The Mac in the Classroom
- The Mac in Higher Education
- Developing University Courseware with a Macintosh



# computer show the Macintosh™

## *Here are some of the companies who will be showing Macintosh products:*

Advanced Logic Systems  
Aegis Development  
Ann Arbor Softworks  
A+/Ziff-Davis Publishing Co.  
Apple Computer, Inc.  
Applied Logic Systems  
Apropos Software, Inc.  
Artline Industries  
Assimilation, Inc.  
Blue Chip Software  
Boston Software  
Brain Power, Inc.  
Cadmus Computer Systems  
The Cobb Group  
Communications Packaging Corp.  
Computer Additions  
Computer Identities  
Computer Learning Systems  
Computer Shopper  
Computer Software Designs, Inc.  
The Computer Store  
Corvus Systems, Inc.  
Consulair Corporation/  
T/Maker  
Creighton Development, Inc.  
Diablo Valley Design  
Divisions, Inc.  
EDP Supply North  
Enterset  
Esoft Enterprises  
ExperTelligence  
Express Computer Supplies  
First Byte, Inc.  
Forethought, Inc.  
Frontrunner Computer Industries  
Future Design Software  
General Computer Company  
Haba Systems  
Hayden Book Company  
Hayden Software

Hayes Microcomputer Products  
Hippopotamus Software  
Icon Publishing  
ICON Review/Mindwork  
Infosphere, Inc.  
InfoWorld  
Innovative Technologies/  
Communications  
Intermatrix, Inc.  
Intersol  
Iomega Corp.  
The Kette Group  
I/O Video  
Kraft Systems  
Layered, Inc.  
Living Videotext, Inc.  
Loki Engineering, Inc.  
Lotus Development Corp.  
Mac Packs, Inc.  
MacTutor  
MACWORLD  
Micro Design  
Micro Marketworld  
Miles Computing, Inc.  
Microsoft  
MPH Computer Products  
Mycroft Labs, Inc.  
New Line 7  
Odesta Corporation  
Optimum Computer Luggage  
Organizational Software Corp.  
Palantir Software  
Paradise Systems, Inc.  
PBI, Inc.  
Peripheral Computers &  
Supplies  
Peripheral Systems  
Personal Computer Peripherals  
Prometheus Products, Inc.  
ProVUE Development Corp.  
Queue, Inc.  
Scott, Foresman & Co.  
Servidyne Micro Systems, Inc.



Sierra Information Systems  
Silicon Beach Software  
Small Business Computers of  
New England  
SoftTech Microsystems  
SoftIdea  
Software Arts, Inc.  
SoftWeave  
Softworks Limited  
Stoneware  
Sunol Systems  
Systems Control  
Tecmar, Inc.  
Telos Software Products  
Video 7  
Warner Software

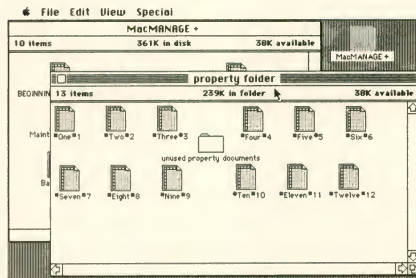
The Macworld Exposition is produced by World Expo Company and managed by Mitch Hall Associates. For further information call Mitch Hall Associates at 617/329-7466 or 617/329-8091. Macworld Exposition is a registered trademark of World Expo Company, Inc. Apple Talk, MacPaint, and MacWrite are registered trademarks of Apple Computer, Inc. Macintosh is a trademark licensed to Apple Computer. Jazz and Lotus are trademarks of Lotus Development Corp.

**MACWORLD  
EXPOSITION®**  
**BOSTON**



# MacManage +

Property management



*System Requirements: 128K or 512K Macintosh; two disk drives; printer recommended. Special Requirements: Microsoft Multiplan.*

MacManage+ allows a small management company or private individual to keep current, detailed accounting and maintenance records on single-family rental dwellings. Up to 12 properties can be maintained on each diskette.

The program, which works in conjunction with Multiplan, comes with nine separate working documents, a folder containing numbered properties, and a property template.

The nine MacManage+ working documents are Property Directory; Rent; General Expense; Schedule E or supplemental income schedule; PITI or point of entry for principal, interest, taxes, and insurance; Depreciation; Maintenance-Folks; BankFolks; and Beginning MacManage+, a user's aid that can be referenced at any time.

Multiple-family dwellings may be accommodated by adjusting the Property Directory document accordingly.

MacManage  
1225 1/2 East 19th St.  
Tulsa, Okla. 74120  
918-585-3079  
Retail Price: \$85  
Available now

# MacMOS

Electronic schematics

*System Requirements: 128K or 512K Macintosh.*

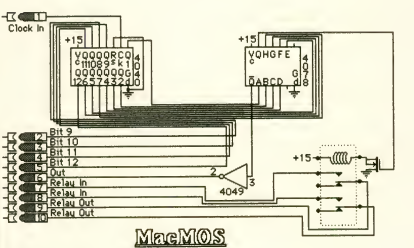
MacMOS is a software pictorial tool that can be used for the creation of electronic schematics. Engineers and/or hobbyists can use the program to design and draft their own discrete and CMOS semiconductor designs.

All of the program's more than 250 self-contained images are based on standard electronic-design templates or its manufacturer's CMOS chip layout standard, which allows a user to create designs around a rectangular image that contains a two-letter mnemonic for pin designations.

The rectangle can also be used for board layouts when breadboarding circuits for experimental work.

The two-letter mnemonics contained in MacMOS are based on a compilation and standardization on many semiconductor manufacturers' data specifications. This library was designed to also complement the MacChip program, made by the same manufacturer.

Princeton Research Software  
PO Box 2398  
Princeton, N.J. 08540  
Retail Price: \$39.95  
Release Date: Third quarter, 1985





## Mac.Stat.Pak

Statistical analysis

*System Requirements: 128K or 512K Macintosh; or Macintosh XL. Special Requirements: Microsoft BASIC 2.0.*

Mac.Stat.Pak is not a statistical tutorial. It is a software tool that can be used by engineers, mathematicians, hobbyists, and others to simplify calculations and for the statistical analysis of data.

Mac.Stat.Pak is distributed by a method known as "freeware", in which a user is invited to copy the disk and give the copy to anyone who wants it. The manufacturer asks that all who use the program pay for it.

As with most unprotected software, the package is sold with no expressed or implied warranty. Users discovering problems are asked to notify the manufacturer so these problems may be corrected in future editions.

In addition, programmers are invited to write and send their applications, which may be included in a future version of Mac.Stat.Pak. Proceeds will be divided in proportion to the amount of usable code received.

Scientific MicroPrograms

213 Merwin Rd.

Raleigh, N.C. 27606

919-851-8111

Retail Price: \$50 (evaluation copies available from CompuServe)

Available now

## Marshall Flowcharting Templates

Flowchart creating

*System Requirements: 128K or 512K Macintosh.*

The Marshall Flowcharting Templates disk contains a number of ISO and ANSI flowcharting symbols for use in creating flowcharts. A short user's guide is also included.

Marshall Consulting Services

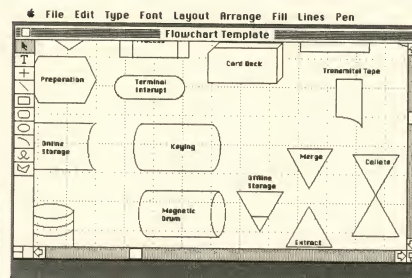
PO Box 2060

Glendora, Calif. 91740

213-948-3222

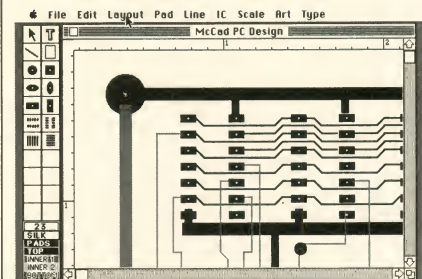
Retail Price: \$16 plus disk

Available now



## McCAD

Circuit-board design



*System Requirements: 128K or 512K Macintosh; or Macintosh XL running MacWorks XL. Special Requirements: Printer or plotter.*

McCAD allows a personal or industrial user to create computer-assisted, circuit-board artwork on a Macintosh via a mouse or graphics tablet.

Output can be produced on either an Apple Imagewriter printer, LaserWriter printer, or ink plotter.

VAMP, Inc.

6753 Selma Ave.

Los Angeles, Calif. 90028

213-466-5533

Retail Price: \$395

Available now



## McCAD

### Electrical engineering

*System Requirements: 128K or 512K Macintosh.*

McCAD is a series of four software programs targeted at electrical engineers and engineering types. The four packages are: Schematic Entry, PCB Layout, Analog/Digital Simulator, and Graphics Editor.

Schematic Entry will allow a user to create, modify, and print out an electrical schematic. Optional utility support will include Netlist Extraction, List of Materials, Design Checks, and Plotter Drivers.

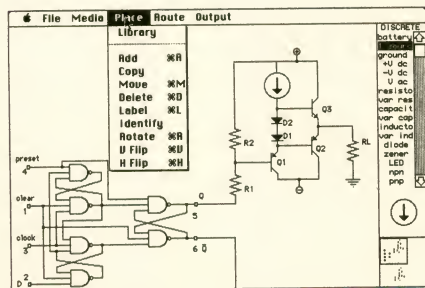
PCB Layout will let a user lay out single-sided, dual-sided, or multilayered printed-circuit boards. The user can create a freehand layout from the Schematic Entry data base or from the Netlist utility.

Analog/Digital Simulator is to be an advanced SPICE-like simulator, and Graphics Editor will allow a user to design a CMOS circuit using Array, Standard Cell, or full-custom CMOS technology.

Program availability is staggered from September, 1985 to the first quarter of 1986.

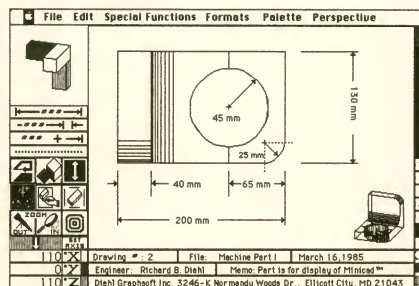
Advanced Engineering Solutions, Inc.  
3393 Iris Ave., Suite 109  
Boulder, Colo. 80301  
303-442-2910

Retail Prices: \$100 to \$300 Each  
Release Date: September, 1985 to first quarter, 1986



## Minicad Auto-Dimensioner and Formatter

### Computer-aided drafting



*System Requirements: 128K or 512K Macintosh. Special Requirements: Minicad 3D-Designer. Inclusions: Newsletter subscription.*

The Minicad Auto-Dimensioner and Formatter turns the Minicad 3D-Designer program, from the same manufacturer, into a high-quality, computer-aided drafting package.

The Formatter portion of the program accepts three-dimensional object files created with Minicad 3D-Designer, and transforms one or more views of these objects into a single, drafting-style document. Views may be top, side, front, or orthogonal.

The Auto-Dimensioner portion may be used to add dimensional and supplemental lines, and it will also round or convert fractions and convert between yards, feet, and inches, and standard metric units.

Like the Minicad 3D-Designer, the Minicad Auto-Dimensioner and Formatter can rotate and view an object from any position, and it supports view modes such as wire-frame, solid, and shaded objects.

Diehl Graphsoft, Inc.  
3246-K Normandy Woods Dr.  
Ellicott City, Md. 21043  
301-461-9488  
Retail Price: \$295  
Release Date: August, 1985

## Minicad 3D-Designer

### Three-dimensional objects

*System Requirements: 128K or 512K Macintosh; or Macintosh XL with MacWorks XL.*

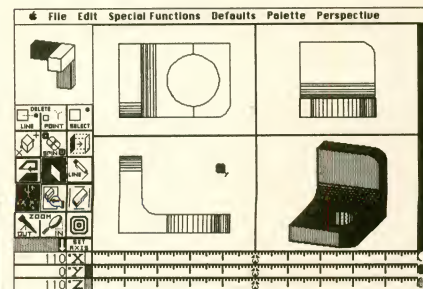
Minicad 3D-Designer is a computer-aided design (CAD) software package that allows a user to create three-dimensional objects on a 128K Mac, 512K Mac, or Macintosh XL.

Users may build objects from polygons and line segments with eight-digit precision per data point in height, width, and depth. Drawings may contain over 250 data points on the 128K Mac and over 2,500 on either the 512K Mac or Macintosh XL, and all objects can be rotated and displayed from any viewpoint.

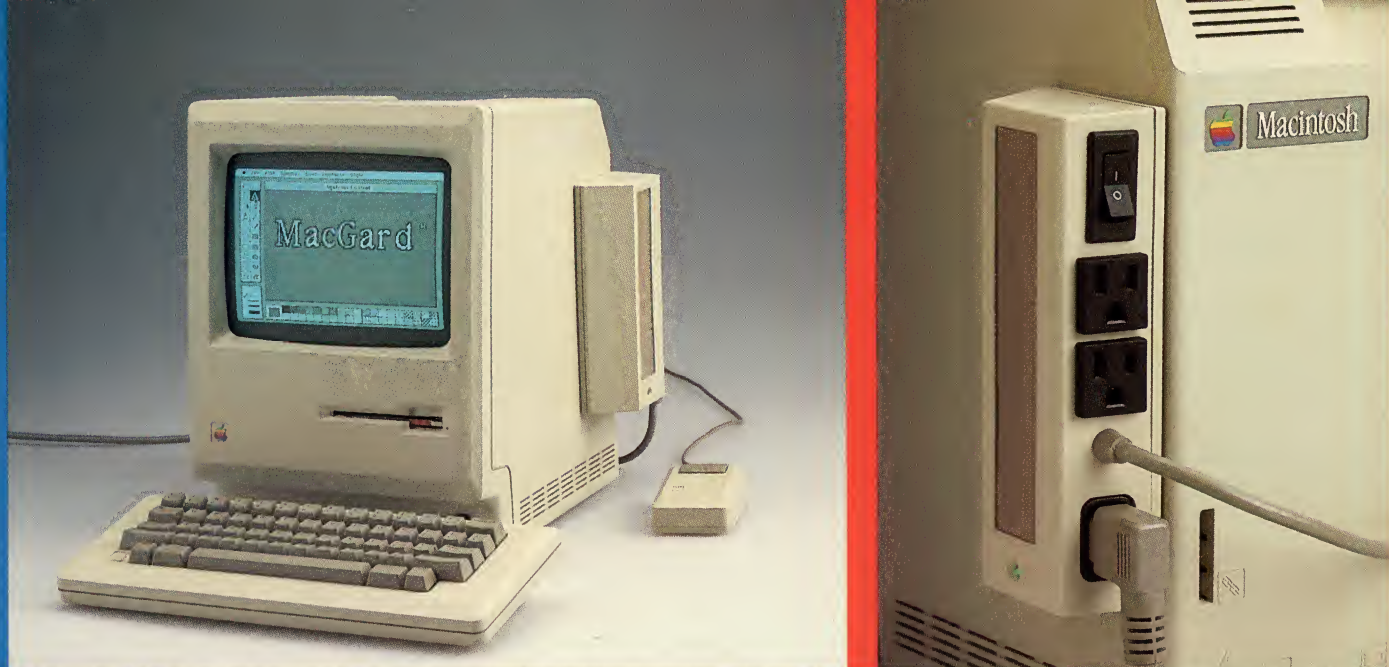
In addition, Minicad can reduce or enlarge objects or parts of objects, store them in its own file type, or output a particular view in a MacPaint file document. MacPaint can then be used to further enhance the picture.

Oversized documents can be produced by printing 8½ by 11-inch sections on an Imagewriter printer. Minicad can be used alone or with the Minicad Auto-Dimensioner and Formatter.

Diehl Graphsoft, Inc.  
3246-K Normandy Woods Dr.  
Ellicott City, Md. 21043  
301-461-9488  
Retail Price: \$295  
Release Date: June, 1985







# How to Keep Your Macintosh<sup>TM</sup> from Frying to a Crisp

## Protecting Your Hardware From The 6,000 Volt Destroyer

Over 50% of all hardware and software complaints received by manufacturers have nothing at all to do with product quality. To the contrary, most damage reported is caused by surges in household or business current.

These surges continually degrade sensitive microcircuitry resulting in lost data and, even worse, computer repairs that are often mistakenly blamed on original equipment failure.

## 30,000 Volts At The Tip Of Your Finger

Another common danger to the computer, its peripherals and software, is static electricity. Few people realize that their bodies can carry as much as 30,000 volts of static.

The discharge of static electricity through the operator's fingertips can pose just as great a threat to your system as power line surges.

## The Faulty Ground

In addition to operator safety, a properly grounded computer is better able to drain off charges that would otherwise create dangerous voltage levels between the computer's chassis and microcircuitry. Again, the operator is typically not aware of whether the outlet is properly grounded and therefore risks both the operator's safety and hardware damage.

## RFI Can Play Havoc With Your Image

While RFI (Radio Frequency Interference) is not a source of damage to computer or operator, it can play havoc with the monitor image and to software. RFI is caused by nearby radio stations, the operator's own radio or television, as well as other electrical devices. RFI shows up on the monitor as a scrambled image and may also appear as data that has been garbled while in memory. If for no other reason, the computer operator should guard against RFI simply because its effect can nullify the time saving benefits provided by the computer.

## MacGuard: Real Protection For The Serious User

MacGuard from Systems Control is the single most complete computer protection device available today. From its inception, MacGuard was designed with Macintosh in mind. From its quality injection molded plastic casing which compliments your Macintosh's appearance, its at your fingertips convenient placement on the side of your unit, and its combination of superior protection features, the MacGuard is the ultimate system accessory for your Macintosh.

MacGuard provides the serious user with a complete series of protection benefits.

- It clamps off all line to line and line to ground surges *before* they can enter your system.
- It provides an anti-static pad you need only touch to safely drain off harmful static.
- It provides an LED light to indicate proper ground of your electrical outlet.
- It provides RFI attenuation to assure a clean monitor image and software safety.
- A master on-off switch provides convenient control to power up your computer and two other peripherals.
- MacGuard has a one year limited warranty.
- If you're not satisfied within 30 days, return MacGuard for a full refund.

If you're a serious user, you owe it to yourself to own a MacGuard. Your MacGuard can only be purchased directly from Systems Control. Cost of the MacGuard is \$89.95 plus \$3.50 for shipping and handling. To order or request more information, call toll free, 1-800-558-2001 Ext. 115, in Wisconsin, 1-800-242-3102 Ext. 115. We accept both Visa and MasterCard. No. C.O.D.

Systems Control P.O. Box 788 M Iron Mountain, MI 49801

# MacGuard<sup>TM</sup>

Circle 22

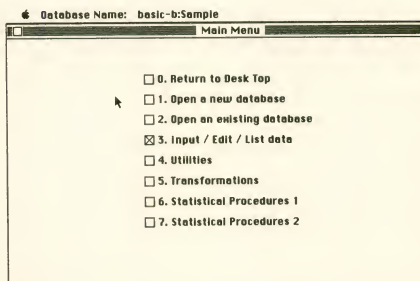
MacGuard looks and works equally well with the APPLE II, APPLE II+, APPLE IIc, APPLE III, and the APPLE LISA.

A product of Systems Control. A division of M.J. Electric, Inc. Macintosh is a trademark licensed to Apple Computer, Inc.  
MacGuard is designed to surpass operating requirements for category A as outlined in IEEE Standard 587-1980, "Guide for Surge Voltages in Low-Voltage AC Power Circuits."



## Number Cruncher Stat Systems

Statistical analysis



*System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft BASIC 2.0.*

The Number Cruncher Stat System provides a user with statistical procedures, data management, a data base, regression analysis, analysis of variance, nonparametric tests, contingency tables, plots, and transformations.

Its statistical procedures include multiple regression, correlation, cross tabulation, t-tests, and univariate statistics. The program's data-management capabilities include ASCII file input, file sorting, file subsets, and missing values; and its data base can hold up to 32 variables and 32,000 observations.

Available regression-analysis techniques include regression estimates, standard errors, regression through origin, and stepwise regression. Analysis of variance includes one-, two-, three-, and four-way factorials, and nonparametric tests include a sign test, and Wald-Wolfowitz runs test.

Contingency tables include analysis of discrete or continuous data, value labels, chi-square tests, and more; available plots include line printer plots, and plot overlaying.

Number Cruncher Statistical Systems  
865 East 400 North  
Kaysville, Utah 84037  
801-546-0445  
Retail Price: \$149  
Available now

## NWA Quality Analyst

Capability studies; process control

*System Requirements: 128K or 512K Macintosh.*

NWA Quality Analyst can be used for both process capability studies and ongoing process control. It includes charting, data management, and common statistical functions, interfaces with other software applications such as word processors, data bases, and spreadsheets.

The program generates standard control charts and comes with the following charting features: user-specified chart formatting; user-defined identification of subgroups such as date, time, shift, operator, etc.; and more.

Data-manipulation and management capabilities include provisions for flexible date/time formatting; the ability to sort/select data by any parameter; a file interface to any ASCII, DIF, or SYLK file; file merging and report formatting.

In addition, NWA Quality Analyst features descriptive statistics, means and means testing, standard deviation, standard error, a random-number generator, scatter-plot graphing, and other statistical tools.

Northwest Analytical, Inc.  
520 NW Davis St.  
Portland, Oreg. 97209  
503-224-7727  
Retail Price: \$495  
Available now

## OR-D Dental Management System

Dental-office management

*System Requirements: 128K or 512K Macintosh. Inclusions: All hardware and software.*

The OR-D Dental Management System monitors a patient from initial entry into a dental office through complete treatment history. It handles personal data, billing, insurance claims and copayments, patient recalls, referrals, prescriptions, statistics, marketing lists and labels, accounting, word processing, and more.

The system includes a Macintosh computer, Winchester hard-disk drive, printer, a voltage spike and RF protector, all system software, installation, training, telephone support, and free updates during the first year of ownership.

The OR-D system comes in two modes, with the option to change from one to another. They are a single-user system in one office with one computer, and a multi-user system with up to 64 separate workstations located within one office or at a distance via telephone communications.

DVI-OR USA, Inc.  
One Martin Ave.  
Cherry Hill, N.J. 08002  
609-665-6733  
Retail Price: \$3,500 (lease plan available)  
Available now



# Does your Apple menu look like this?

## Ours does.

Now your Apple® menu becomes the key to desktop efficiency with MacDesk™—the first fully integrated desktop organizer and telecommunications manager that operates **concurrently** with all other Macintosh™ programs, on either the 128K or 512K Mac. MACDESK is not only a *super organizer* integrated with 13 Desk Accessories, but also includes personal information files with flexible reporting and print-out capabilities. All of which are combined with the most extensive telecommunications management software available for the Macintosh. No matter what program you're running, MACDESK is always just a click away.

**INTERMATRIX**  
North Hollywood, CA 91601  
(818) 509-0474

**File Edit About MacDesk...**

Alarms  
Area Code Lookup  
Calculator+  
CalendarBook  
Credit Cards  
Expenses  
MacClock  
MacDialer  
MemoWriter  
QuikTerm  
ReadiPrinter  
Things to Do  
Week at a Peek  
Scrapbook  
Alarm Clock  
Calculator  
Control Panel  
Puzzle

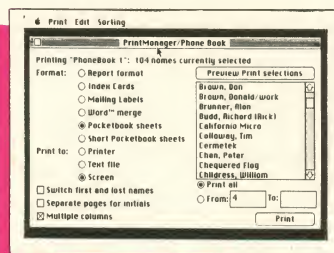
### INFORMATION MANAGEMENT

#### Filing:

Information about business and personal contacts are maintained by MACDESK as a set of electronic index cards. These files are fully-integrated with the other functions and accessories of MACDESK, including PrintManager and MacDialer. Information from these files provide MACDESK with information for sorting lists, auto-dialing, time-billing and more. Notes, memos and ideas can be filed for future retrieval along with the various data files created by MACDESK's many accessories.

#### PrintManager:

The MACDESK PrintManager utilizes the Personal Information Files to create all types of useful print-outs including hard-copy index cards, mailing labels, phonebook pages and even provides mail merge with Microsoft Word™. PhoneBooks and Week-at-a-Peek can be printed in pocketbook format.



PrintManager offers a wide range of sorting and report generating features.

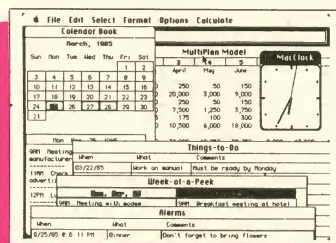
MacDesk is a trademark of Intermatrix. Apple and Apple logo are registered trademarks of Apple Computer Corp. Macintosh is a trademark licensed to Apple Computer Corp. MacWrite is a trademark of Apple Computer Corp. Multiplan and Word are trademarks of Microsoft, Inc. FileVision is a trademark of Telos products.

\* Phone sold separately.

### DESKTOP ORGANIZATION

#### Time Management:

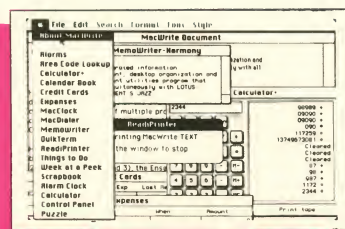
- **CalendarBook:** A daily appointment calendar good through the year 2030.
- **Alarms:** Multiple appointment alarms.
- **Week-at-a-Peek:** A seven-day scheduler with last, present and next week's appointments and events.
- **Things-To-Do:** A list of important tasks or projects.
- **MacClock:** An analog clock with a sweep-second hand.



Here's MacDesk's Time Management accessories running over Multiplan.

#### Desktop Utilities:

- **MemoWriter:** A mini-word processor that is both MacWrite and Microsoft Word compatible.
- **ReadiPrinter:** Prints MACDESK data and Macintosh text files in the background without tying-up the Mac.
- **Calculator+:** A powerful multi-function business calculator featuring paper-tape to screen and printer.
- **Expenses:** Maintains an accurate record of business and travel expenses.
- **Credit Cards:** A record of credit card information.



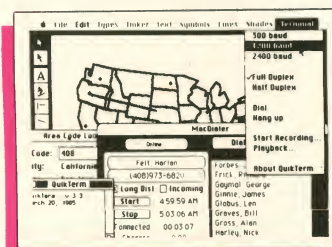
Some of MacDesk's utilities stacked up over MacWrite.

### TELECOMMUNICATIONS

MACDESK offers some of the most advanced telecommunications management features available for the Macintosh. Telephone and modem operations are provided in the "background" even while running other programs.

#### Telephone:

- **MacDialer:** Multiple phone directories are automatically created from the MACDESK electronic index files. Auto-dialing capabilities for most standard personal and business multiline telephones with the proprietary PhoneLink interface device.\*
- **Area Code Lookup:** Instantly provides the state, region and time zone for all area codes within the northern hemisphere.
- **PhoneLog:** Automatic logging of phone calls, both *incoming* and *outgoing*, as to number and person called, date, duration and phone charges. Applicable professional fees are computed and important notes regarding the call are appended. Search and sort features offer advanced time-billing capabilities.



MacDesk advanced telecommunications features run simultaneously in the "background" with Filevision.\*

#### Modem:

- **QuikTerm:** A Hayes compatible communications program that operates at either 300, 1200 or 2400 baud. The ability to configure QuikTerm to use either the *modem* or *printer* port is an important feature to hard disk users. QuikTerm will send files that have been prepared in MemoWriter for easy text editing and file handling.



## OR-D Medical Management System

### Medical-office management

*System Requirements: 128K or 512K Macintosh. Inclusions: All hardware and software.*

The OR-D Medical Management System generates all necessary forms and reports required to expedite administrative and patient needs for a medical practice.

A partial list of applications includes a per-visit invoice and monthly statement; various management reports such as 90-, 60-, and 30-day aging; provider and procedure management reports and statistics; an insurance management system that can produce insurance forms, handle copayments, and track company payments; patient profile management; and a referral report.

In addition, the system can maintain up to 5,000 active accounts and provide information on up to 25,000 patients, 250 medical codes, 500 insurance companies, and 35 providers.

The complete OR-D system includes a Macintosh, a Winchester hard-disk drive, a dot-matrix printer, an electronic voltage spike and RF protector, all system software, installation and training, and one year of free updates. It can be configured as either a single or multi-user system.

DVI-OR USA, Inc.  
One Martin Ave.  
Cherry Hill, N.J. 08002  
609-665-6733  
Retail Price: \$3,500 (lease plan available)  
Available now

## Pert & Critical Path Techniques

### Project planning

*System Requirements: 128K or 512K Macintosh.*

The PERT and Critical Path Techniques package shows how to use network models for project planning and control, and how to develop PERT and critical-path models.

Program input includes activity descriptions, costs and times, and starting and finishing events, etc. PERT identifies the critical path and gives the probability of finishing on schedule.

Capable of handling a large volume of activities, each program can be updated during the life of the project.

Output is in the form of printouts, and Gantt charts are not provided.

Lionheart Press, Inc.  
PO Box 379  
Alburt, Vt. 05440  
514-933-4918  
Retail Price: \$85  
Available now

## Profit Tool

### Telephone marketing

*System Requirements: 128K or 512K Macintosh. Inclusions: My Line Opener hardware unit.*

Profit Tool is designed for any individual who uses the telephone to sell products and services or to gather information. It comes with a hardware device called My Line Opener, which places outgoing calls quickly and accurately.

At the beginning of each call a script of dialogue and questions appear on the computer's screen. The caller asks the questions and fills in all responses with the aid of a mouse or the computer's keyboard. All results can be recorded for immediate or follow-up analysis.

In addition, Profit Tool can be used by business organizations that conduct public-opinion and marketing surveys via telephone. Users can choose between multiple responses, single responses, or standard fill-in-the-blank responses to survey questions.

Profit Tool can also be used for personal, administrative, and educational applications.

Prophecy Development Corp.  
308 Boylston St.  
Boston, Mass. 02116  
617-266-1825  
Retail Price: \$1,195  
Available now



# Real Estate Investor II

Property-investment and cash-flow analysis

*System Requirements: 128K or 512K Macintosh.*

Real Estate Investor II is a software program that can help a user make better property-investment decisions by producing and studying income-analysis and pro forma reports.

Assumptions used in a report produced with this software can be saved on disk for retrieval and review at a later date.

A summary of the features offered by Real Estate Investor II includes 5- to 10-year analysis of any property; partial-year analysis upon acquisition; analysis of up to 10 different loans using 9 different loan types; analysis of refinancing possibilities, 100-percent financing, internal rate of return, and financial-management rate of return; variable parameters from year to year; automatic mathematical calculations; and screen editing rather than line prompting.

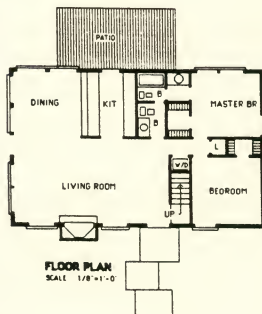
In addition, the Real Estate Investor II program is sold with a 30-day, money-back guarantee.

Use of this software requires no previous computer experience.

Rems Software, Inc.  
526 NW 2nd St.  
Corvallis, Ore. 97330  
503-757-8887  
Retail Price: \$295  
Available now

# Sketch-to-Scale

Drawing aid



*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.*

Sketch-to-Scale is an overlay template that can be used by anyone interested in making accurate drawings. Scale drawings to one-eighth and one-quarter inch are possible, as are engineering scales such as one inch equals 20 feet or one inch equals 40 feet.

The product uses a grid system on a reusable, clear-plastic overlay that contours itself to a Macintosh screen. Once this overlay template is positioned, a user may create drawings to scale by using MacPaint.

Sketch-to-Scale's manufacturer says that the product is not a sophisticated drafting package using coordinate-type input. It is instead a sketching aid to be used for making "near-to-scale" drawings.

Architects may use the Sketch-to-Scale Comprehensive Drawing Package to prepare floor plans and building elevations, and interior designers can use it to lay out rooms.

Williams AG Products  
Rt. 2, Box 85-B  
Haskell, Okla. 74436  
918-482-3524

Retail Price:  
\$19.95 Basic Drawing Overlay Template  
\$34.95 Comprehensive Drawing Package  
Available now

# StatFast

Data analysis; forecasting

*System Requirements: 128K or 512K Macintosh; external disk drive recommended.*

StatFast is a statistical software package for beginners and advanced users. It is menu driven, offers prompts in English, and it can access files created by other spreadsheet and data-base software.

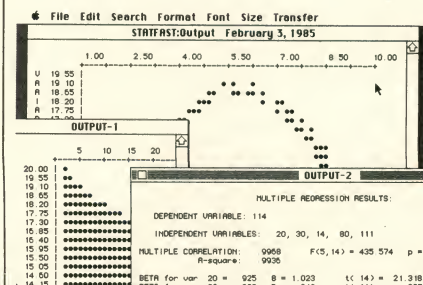
Statistical functions provided by the program include descriptive statistics, t-tests, cross tabulations, correlations, non-parametric statistics, and significance levels for all tests.

Advanced statistical procedures include multiple-regression functions such as standardized and unstandardized weights, intercept, ANOVA table, t-values for weights, and more.

In addition, StatFast includes two graphics subprograms, Barchart and Scatterplot; and two data editors, StatFast Data-Editor and Editor. The latter allows users to edit data files or cut, copy, and paste parts of data files from one file to another.

The program was developed in optimized FORTRAN, used primarily for scientific and numeric applications because it is faster than BASIC.

StatSoft  
2831 East 10th St., Suite 3  
Tulsa, Okla. 74104  
918-583-4149  
Retail Price: \$99  
Available now





## Statistical Analysis

Books and software

*System Requirements: 128K or 512K  
Macintosh.*

The Experimental Statistics software package and accompanying text book contains 23 programs covering statistical computations from data entry of sampling distributions to test programs for exercising regression programs. A routine for transferring DIF files from spreadsheets is also included.

The Business Statistics program and book contains 42 programs plus data files covering such topics as sampling schemes, hypothesis testing, forecasting techniques, and quality control.

The Multivariate Analysis software and explanatory text contains 15 programs related to modern multivariate techniques such as canonical correlation and logit analysis.

Exploratory Data Analysis contains 14 programs plus 13 data files covering descriptive statistics and offering insights into data sets.

Lionheart Press, Inc.

PO Box 379

Alburt, Vt. 05440

514-933-4918

Retail Prices:

\$125 Experimental Statistics

\$145 Business Statistics

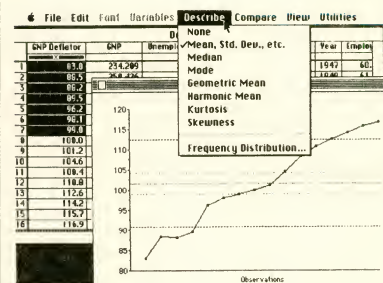
\$150 Multivariate Analysis

\$75 Exploratory Data Analysis

Available now (except Multivariate Analysis)

## StatView

Statistical analysis



*System Requirements: 128K or 512K  
Macintosh; or a Macintosh XL running  
MacWorks XL.*

Statistical evaluations possible with the StatView program include descriptive statistics, comparative statistics, and non-parametric tests.

StatView's descriptive capability includes harmonic and geometric mean, standard deviation, standard error, variance, median, mode, frequency distribution, and coefficient of kurtosis and skewness.

Comparative statistics include paired and unpaired t-tests, the Spearman rank-order correlation coefficient, ANOVA with percent variation explained, and more. Nonparametric tests include chi-square, Kruskal-Wallis, Friedman, Kolmogorov Smirnov, Mann-Whitney-U, and more.

Regular analysis includes the ability to plot the fitted line. Residuals, standardized residuals, and predicted value may be saved. Regular output includes the coefficient table, ANOVA table, and residual analysis.

The authors of StatView claim the program performs comparably to similar software costing hundreds of dollars more.

Brainpower, Inc.

24009 Ventura Blvd.

Calabasas, Calif. 91302

818-884-6911

Retail Price: \$199.95

Release Date: July, 1985

## Stylo-Castoff; Stylo-Estimate

Publishing—typeset estimator;  
cost estimator

*System Requirements: 128K or 512K  
Macintosh.*

Stylo-Castoff is a program designed for authors or book publishers. A castoff is a procedure for estimating finished typeset book pages from the information derived by counting lines of a typewritten manuscript.

Because finished typeset copy can vary according to type design and size, Stylo-Castoff calculates a ratio between the number of characters in a typewritten manuscript against the number of characters that will fit on a typeset page of given specifications.

The program can store up to 50 type styles in point sizes from 8 to 11.

A companion program, Stylo-Estimate, come with a Book Page Cost Estimating program. Because specific kinds of pages, such as text, footnotes, extracts, tabular, etc., vary according to complexity of composition, different costs are assigned to them. The program can generate and estimate these costs based on the final information after a book is completed.

Stylo Software, Inc.

482 C St.

PO Box 916

Idaho Falls, Idaho 83402

208-529-3210

Retail Prices:

\$99.95 Stylo-Castoff

\$199.95 Stylo-Estimate

Available: June, 1985





# HOW TO UNSCRAMBLE YOUR NEST EGG.

It doesn't take a computer to tell you that money can't buy you happiness.

But there is a piece of best-selling personal computer software that can make you a lot happier about your money.

And you're looking at it.

## **Making sense of your dollars.**

Dollars and Sense™ saves you money by organizing your money. By giving you the clearest picture you've ever had of your financial behavior.

It defines budgets along any lines you like. Monthly or annually, fixed or variable. On up to 120 accounts.

It can write checks, make transactions automatically, even remind you to pay your bills.

And as time goes by, it tells you precisely how you're doing. With a complete set of reports and full-color graphs\* that come up on screen or print out on paper. At the touch of a key.

And all you have to do is spend a few effortless minutes each week

telling your personal computer\*\* what came in and what went out.

## **Many happy returns.**

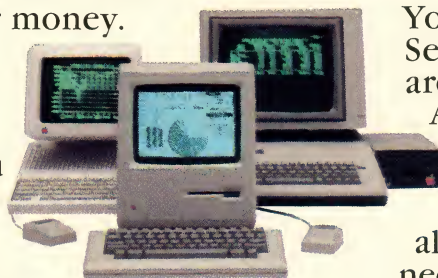
You can use Dollars and Sense around the house or around the office.

And around April 15 you'll be glad you did. Because a few simple keystrokes will provide you with all the information you need to settle up with Uncle Sam.

Since your tax liability tomorrow is affected by the decisions you make today, Monogram will soon be introducing a new program, called FORECAST.™

With Dollars and Sense and FORECAST, you'll be able to estimate your taxes for up to five years. Or look at this year and ask "what if?" up to five different ways.

To keep Uncle Sam from raining on your parade.



*Macintosh™ version  
in stores now.*

# MONOGRAM

Circle 24 on Reader Service Card

8295 South La Cienega Blvd., Inglewood, CA 90301 (213) 215-0529

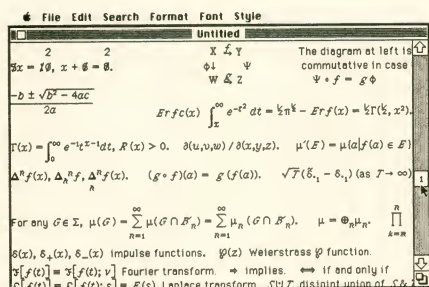
\*Color monitor required. Graph printing may not be available on Apple® II series.

\*\*Available for Apple IIe, IIc and Macintosh. Also available for IBM® PC, PC XT, PCjr and compatibles, the TI Professional and other popular personal computers.



# Tech

## Scientific and mathematical fonts



*System Requirements: 128K or 512K Macintosh.*

Tech contains separate 9-, 10-, 12-, 18-, 20-, and 24-point scientific and technical fonts, and over 1,300 individually designed scientific symbols including standard symbols used for writing equations in mathematics, engineering, physics, economics, and astronomy.

The program also includes the complete scientific Greek alphabet and 22 overstrike keys with automatic back spacing.

Style variations include bold, italic, underline, outline shadow, subscript, superscript, and any combination of these.

Linguists' Software  
PO Box 231  
Mt. Hermon, Calif. 95041  
408-335-2577  
Retail Price: \$119.95  
Available now

# Ultra Fonts Technical and Business Set

## Specialized fonts

*System Requirements: 128K or 512K Macintosh; or Macintosh XL.*

The Technical and Business Set of Ultra Fonts is a collection of fonts that have been designed for engineers, lawyers, doctors, mathematicians, and others in need of specialized alphabets.

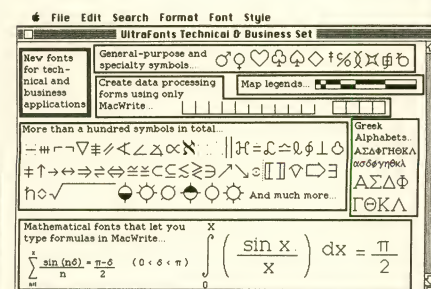
The program includes a symbols font that contains more than 100 technical, mathematical, and general-use symbols in every standard Macintosh size from 9 to 24 points.

Also included are three Greek fonts featuring alternative letter forms and all Greek accents. A chart supplied with the program shows which key to press for each character.

In addition, the program comes with a math font that allows a user to type multilevel formulas. This font includes subscripts, superscripts, and large integral and sum symbols.

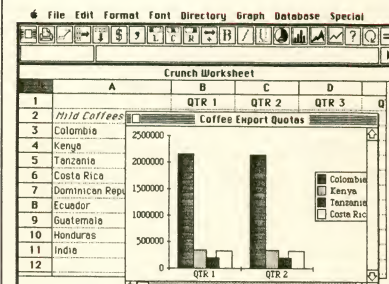
Finally, the program comes with a section of correspondence-quality fonts, including small caps and business symbols, designed for general business applications.

21st Century Software  
2306 Cotner Ave.  
Los Angeles, Calif. 90064  
213-829-4436  
Retail Price: \$29.95  
Available now



# Crunch

## Spreadsheet



*System Requirements: 512K Macintosh.*

Crunch is a spreadsheet program that can turn facts and figures into useful information. It can store more information and perform calculations faster than similar software for the IBM PC.

Users can consolidate summary information from other work sheets through Crunch's work-sheet linkage feature. To help visualize information Crunch converts raw data into presentation-quality graphics with only two clicks of the mouse.

Its data-base features allow a user to sort, query, screen, and summarize. And they can use its auditing features to verify the logic behind any spreadsheet model.

Users may also create their own functions, or name cells and key variables for English-language formulas.

Paladin Software Corporation  
2895 Zanker Rd.  
San Jose, Calif. 95134  
408-946-9000  
Retail Price: \$295  
Release Date: Summer, 1985



# Meet The New Financiers...

## General Ledger, Accounts Receivable, and Inventory Control

The Palantir Financial Series -- the first true accounting system to run on a 128K single-disk Macintosh. If you have a small to moderate-sized business, you'll find what you're looking for right here.

### General Ledger

Here's a true accounting system -- so much more than just a cash book or expense filer. Look at what it offers:

- Flexible chart of accounts. Up to 9,999 different accounts. Cash, expense, income, etc... in any combination.
- Full double entry system. You cannot go out of balance.
- Six financial statement formats to choose from. You'll find one suited just for your business.
- Up to 12 accounting periods. And even after you rollover to a new period, you can still go back and post to the previous one.
- Comparisons with budget and prior year performance. By period and year-to-date.
- Multiplan™ transfer. Extract data for spreadsheet programs and other forecasting systems.
- 400 accounts on one 400K disc.

Retail price: \$145

### Accounts Receivable

Keep track of who owes you what from how long ago. Print reports or display them on the screen. Either way you've got solid control of your business with features like these:

- Up to 9,999 customers.
- Full three-period aging. You define the periods.
- Open-item or balance-forward accounts or both. Your choice.
- Sales analysis by customer, salesperson, branch, type of sale, product, or just about anything else you can think up. 999 ways to analyze your sales for the period and year-to-date. Pinpoint your problems and your opportunities.
- Compatible output to the Financial Series General Ledger. Analyze profits as well as sales.
- 300 accounts on one 400K disk.

Retail price: \$145

### Inventory Control

The perfect system for your retail or wholesale business.

- Handles all these transactions: purchase orders, receipts, transfers, adjustments, issues and returns.
- Provides complete audit trails.

Circle 25 on Reader Service Card

- Tracks stock by units and dollars: How many dollars you have on order. The dollar value of your inventory, sale prices, and profit margins.
- Controls stock levels. Reorder Report shows quantities below your specified minimums.
- Analyzes your inventory as well as providing cost and sales histories and gross profit margins. Also, product status by type and location is given.
- Keeps salespeople up-to-date. Price list shows quantity on hand, selling price, sales tax, and current average cost.
- 1,000 products and 400 purchase orders on one 400K disk.

Retail price: \$145

The new Financial Series from Palantir does more than just help you run your business. It helps you manage it, for growth and profitability.

Available from your dealer.

Palantir Software, 12777  
Jones Road, Suite 100,  
Houston, Texas 77070. Call (713)  
955-8880, or (800) 831-3119 (Texas),  
(800) 368-3797 (National), or (800)  
235-0025 (Canada).

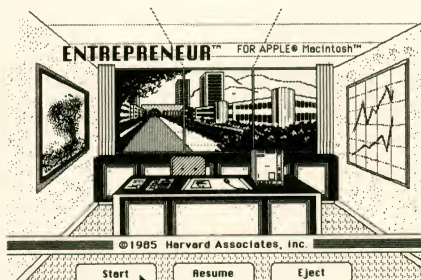


PALANTIR  
SOFTWARE



## Entrepreneur

Management training



*System Requirements: 128K or 512K Macintosh.*

Entrepreneur simulates the actual management of a software company.

This includes managing business operations, interpreting financial reports, and predicting how current events affect the economy and business.

Entrepreneur can also track inventory, production, profit, and other business statistics for up to a 36-month period.

Microsoft Corporation  
10700 Northup Way  
PO Box 97200  
Bellevue, Wash. 98009  
206-828-8080  
Retail Price: \$49.95  
Available now

## Learning Microsoft Multiplan and Microsoft Chart

Training aids

*System Requirements: 128K or 512K Macintosh.*

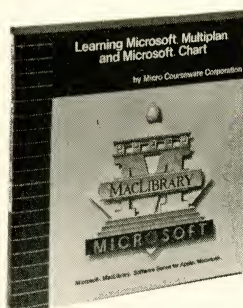
Learning Microsoft Multiplan and Microsoft Chart is a computer-aided instruction (CAI) software package made up of two separate tutorials. One defines concepts pertaining to Multiplan spreadsheets and the other deals with presentation business graphics found in Chart.

This release is the first in a series of Microsoft MacLibrary software products, written by Micro Courseware Corp. and distributed by Microsoft Corp., designed to teach first-time users and current owners of Microsoft software products how to become more proficient with the applications they own.

This first package may also prove to be an effective way of previewing both Multiplan and Chart before making a purchase.

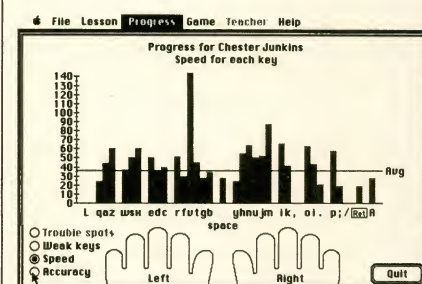
Future releases upcoming in the Microsoft MacLibrary series include productivity aids, language tools that complement Microsoft BASIC, educational software for adults, and home products for finance and banking.

Microsoft Corporation  
10700 Northup Way  
PO Box 97200  
Bellevue, Wash. 98009  
206-828-8080  
Retail Price: \$59.95  
Available now



## Typing Made Easy

Training



*System Requirements: 128K or 512K Macintosh.*

Typing Made Easy is a touch-typing instruction course that eliminates a user's need to look at the keys.

This forces the user to focus on the material being typed—and not on the errors. Using graphics that reinforce correct finger positioning, it features lessons that allow a user to progress at his or her own pace.

As lessons are learned a user receives progress reports that emphasize speed and accuracy and highlight fingers and keys that need extra practice.

Users can select from an unlimited number of warm-up, review, and practice exercises as well as drills in full paragraph formats.

Typing Made Easy can be adapted to classroom use.

QED Information Sciences, Inc.  
PO Box 181  
Wellesley, Mass. 02181  
617-237-5656  
Retail Price: \$59.95  
Available now



# The Macintosh... **HOT-LINE**

## The Expandable Macintosh Modem With Software And Cable

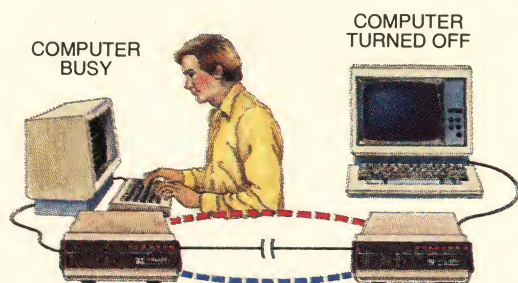


### Just Plug-In And Communicate

If you're a Macintosh user, you need our expandable 1200/300 baud intelligent modem. Supplied with our ProCom-M communications software and "Mac-to-modem" cable, ProModem 1200M is so simple to use that you'll instantly be on-line and communicating. It's Hayes compatible, and the price is right, too. Just \$549 complete.

### Electronic Mail A Reality

ProModem 1200M gives you something that's not available on any other modem in this price range. Our \$99 Communications Buffer and Alphanumeric Display options provide you with a sophisticated electronic mail network.



Amazing but true, your ProModem 1200M answers the phone, collects messages up to 50 pages long, sends out electronic mail, and displays all messages sent or received even though you are gone and MAC is busy or turned off. Thanks to ProModem 1200M; expensive hard-to-use communications software is not needed. The communications is in the modem, and electronic mail becomes a background function, where it belongs.

### Communications Software

Our ProCom-M communications software is designed specifically for Macintosh. It's simple to use, and maintains all Macintosh user interfaces such as icons, pull down menus, full windowing, dialog boxes and mouse control of all commands. You can initiate complex dialing sequences with two clicks of the mouse. ProCom-M includes X-modem protocol for error-free communications with any personal computer. This powerful software does a lot, but is so simple that most users will hardly have to refer to the manual.



*The Hot Line*

**PROMETHEUS  
PRODUCTS INCORPORATED**

4545 Cushing Pkwy. • Fremont CA 94538

Call Now For  
Complete Info...  
**415/490-2370**

Circle 26 on Reader Service Card



# Accessory Pak #1

Disk utility



*System Requirements: 128K or 512K Macintosh.*

Accessory Pak #1 includes six programs, described as follows:

Paint Cutter uses the entire screen to show a MacPaint document. Users can move it around with the grabber, and use the built-in selection rectangle to copy any portion of it to the clipboard or directly to the scrapbook.

Screen Saver deactivates the screen after a specified period of inactivity.

Rulers for MacPaint lets a user pull out rulers that measure in inches, centimeters, or pixels. The rulers are placed next to the MacPaint window, and can also be pasted into a MacPaint document itself.

QuickEject ejects all floppy disks that are on line and resets the system.

Silicon Beach Font is a new font designed to look crisp and neat in written text. It comes in 12 and 24 point.

Apple's Desk Accessory/Font Mover allows the user to add or extract desk accessories and fonts to/from the system file.

Silicon Beach Software  
PO Box 261430  
San Diego, Calif. 92126  
619-695-6956  
Retail Price: \$39.95  
Release Date: June, 1985

# Art Grabber with Body Shop

Desk accessory; body graphics

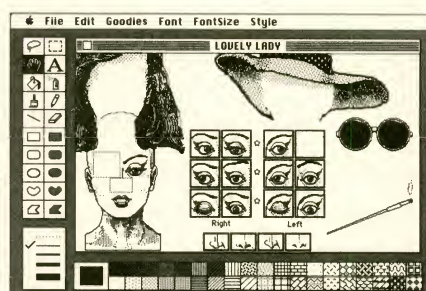
*System Requirements: 128K or 512K Macintosh.*

Art Grabber is a desk accessory that completes the transfer of MacPaint images to MacPaint or MacWrite documents in one step. The utility may be permanently installed on any program with a system file.

Body Shop provides detailed artwork of hundreds of body parts, faces, and costumed figures that are useful for creating almost any view of the human form.

The desk accessory and art disk may be used together to spruce up letters, illustrate reports, create posters, and supply artistically rendered subjects for animation.

Hayden Software Company, Inc.  
600 Suffolk St.  
Lowell, Mass. 01854  
617-937-0200  
Retail Price: \$49.95  
Available now



# Epstart Version 2.0

Printer utility



*System Requirements: 128K or 512K Macintosh. Special Requirements: An Epson printer. Inclusions: Print Adjustment Accessory.*

Epstart Version 2.0 produces text and graphics on a variety of Epson printers from any application that follows normal Macintosh printing standards, such as MacPaint, MacWrite, Multiplan, Microsoft BASIC, and others.

Via an included Print Adjustment Accessory, Epstart Version 2.0 lets a user select single-color printing on the Epson JX-80 color printer or letter-quality printing on the LQ-1500 model.

In addition, the program produces draft printing with improved column alignment and word-collision prevention, and it can also produce standard or higher-quality graphics, screen, and sideways printing.

This version of Epstart allows an Epson printer to be connected to either a Macintosh's printer or modem ports. It also supports variable port speeds, which allows the use of a variety of serial interfaces.

Epstart Version 2.0 does not need to be copied to a user's application disks, and it is transparent when running.

SoftStyle, Inc.  
7192 Kalaniana'ole Hwy., Suite 205  
Honolulu, Hawaii 96825  
808-396-6368  
Retail Price: \$45  
Available now



# With MaCalendar,<sup>TM</sup> You Would've Been on Time.



We know how easy it is to become so totally immersed in your work that you forget all about such things as 10 o'clock appointments, luncheon dates, or even (shudder) Board Meetings. That's why we designed MaCalendar to help you plan, organize and implement your busy schedule.

MaCalendar is a powerful time management tool for the Macintosh<sup>™</sup> which uniquely combines a calendar with an alarm and a notepad – all designed to keep you on schedule and up-to-date. Best of all, MaCalendar runs concurrently with all other programs, so it's *always there when you need it*.

Once you've entered important times and dates into MaCalendar, you can go on to work on other applications. MaCalendar will automatically interrupt your program with a chime to remind you of your appointment. There's no separate disk to insert; MaCalendar is an ever-present, integral part of your Macintosh.

For detailed reminders or notes, take advantage of MaCalendar's notepad. Simply enter memoranda for the appropriate day, and the information will be waiting for you when you call it up. Plan weeks – even years! – ahead. And never again miss another appointment, birthday, class, whatever.

Run out of room on your notepad? Just “turn the page” and fill unlimited pages with all your information. MaCalendar lets you document phone

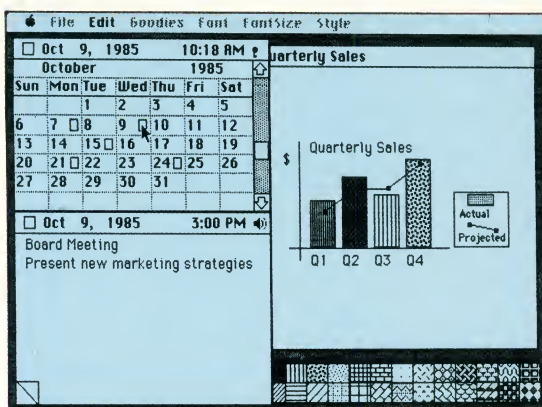
calls, assemble “to-do” lists, plan out a daily schedule, etc.

Now, finally, losing yourself in your work doesn't have to mean losing track of time . . . thanks to MaCalendar.\*

MaCalendar, \$89; Lisa Desktop Calendar, \$295



1105 NE Circle Blvd. • Corvallis, OR 97330  
(503) 758-0521



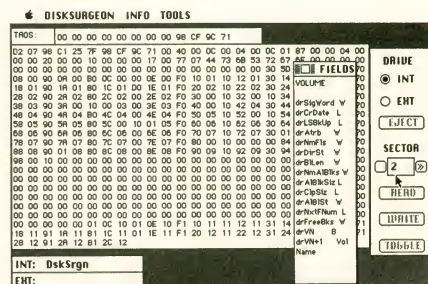
\*Expanded version of MaCalendar, the Desktop Calendar,<sup>™</sup> is available for the Lisa. Macintosh is a trademark of Apple Computer, Inc. Lisa is a registered trademark of Apple Computer, Inc.

**Circle 27 on Reader Service Card**



## I.E.S. DiskSurgeon

Disk utility



*System Requirements: 128K or 512K  
Macintosh.*

The I.E.S. DiskSurgeon enables the novice and hacker alike to perform disk-based storage functions.

Its documentation is screen based and accessed by menu. It includes information on disk and file management, volume fields, finder fields, and file fields.

A pull-down toolbox offers formatting, sector check, zero function, and disk-to-disk duplication capabilities.

Editing is performed via the program's ASCII/HEX toggle and unique Byte window.

Intelligent Engineered Systems  
2415 East 39th St.  
Indianapolis, Ind. 46205  
317-545-6618  
Retail Price: \$19.95  
Available now

## Island CP/M

Operating system

*System Requirements: 128K or 512K  
Macintosh.*

Island CP/M is a standard Digital Research version 2.2 operating system that runs with an Island 8080 emulator.

The two-disk program includes a CP/M Boot Disk for initializing the Macintosh and a CP/M operating-system disk that

contains a copy of the licensed system.

Disk 2 also contains a WordStar program; an XMODEM public-domain, file-transfer program; and DEC VT100, TeleVideo 950, and ADM13A terminal-emulation programs.

VT100 emulation is used for graphics, TeleVideo emulation provides WordStar with reverse video, and the ADM13A emulation is used with dBASE II.

A READ.ME file—available on the CP/M Boot Disk—allows a user to transfer files from either Kaypro, Morrow, or Osborne computers or from bulletin boards to a Macintosh's serial ports via the XMODEM protocol.

Island Software, Inc.  
One Richmond Square  
Providence, R.I. 02906  
415-421-4550  
Retail Price: \$195  
Available now

## LetterWare, MatrixWare

Printer utilities

*System Requirements: 128K or 512K  
Macintosh.*

LetterWare allows a user to use a letter-quality printer to create reports, spreadsheets, memos, and important correspondence with any Macintosh program that uses the Imagewriter's draft mode of printing.

LetterWare Version 3.0 supports underlining; boldface print; superscripts; subscripts; left, right, center, and fill justification; proportional spacing; 10- and 12-pitch printing or a combination of different pitches in the same document; and cut-sheet feeding. LetterWare works with many popular printers, and a more extensive installation program can be used

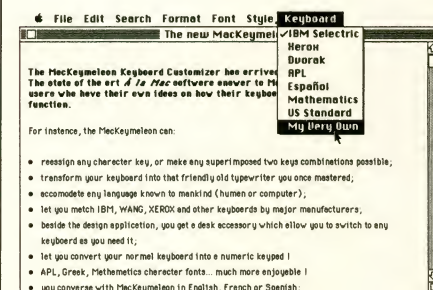
to create custom drivers for printers not supported.

MatrixWare, LetterWare's sister program, supports all popular dot-matrix printers. It contains all the features of LetterWare and also allows printing of graphics from MacWrite, MacDraw, MacPaint, and other popular applications.

Intrepid Technologies  
PO Box 31211  
Santa Barbara, Calif. 93130  
805-685-6770  
Retail Price: \$89  
Available now

## MacKeymeleon

Foreign-language utility



*System Requirements: 128K or 512K  
Macintosh.*

Although the Macintosh is flexible enough to comply with the requirements of most foreign languages, enabling users to write in a variety of fonts and styles, MacKeymeleon lets users customize its keyboard even further.

It also enables them to activate previously designed keyboard configurations.

Character keys can be reassigned and diacritical signs can be generalized, eliminating the need for time-consuming over strikes.

MacKeymeleon supports various international keyboard configurations, meaning there is no need to swap a U.S. keyboard for an international one.

Users may also use their normal keyboard as a numeric keypad, and eliminate disk duplication due to static localization



where different keyboard configurations are needed.

This program also defines some one-handed combinations that can be especially useful for handicapped individuals.

Avenue Software, Inc.  
C.P. 2085  
Terminus, Quebec  
Canada G1K 7M9  
418-641-0441  
Retail Price: \$39.95  
Available now

## MacScreen Gems

### Start-up screens

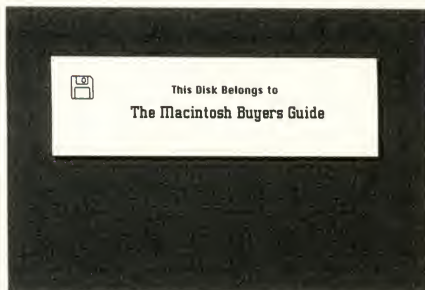
*System Requirements: 128K or 512K Macintosh. Inclusions: Personalized screen.*

The MacScreen Gems software package contains one dozen start-up screens that can be used to replace the usual "Welcome to Macintosh" greeting contained on most application programs.

Once selected, the alternate screen will be displayed each time an application modified in this manner is used to start up the computer.

The purchase price of MacScreen Gems includes a special start-up screen featuring the user's name or personalized message.

American Softwerkz  
PO Box 678  
Brandon, Fla. 34299  
813-626-0755  
Retail Price: \$14.95  
Available now



## Magic Font Editor

### Font utility

*System Requirements: 128K or 512K Macintosh.*

The Magic Font Editor allows users to enter their own custom fonts or edit existing fonts.

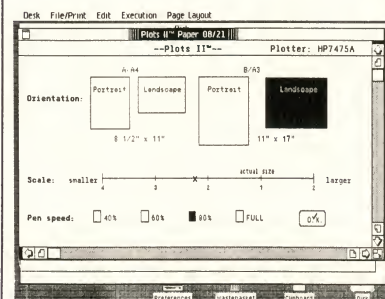
The program also allows input from either the Magic Video Digitizer or a "Fat Bits" style editor.

Once fonts are created they can be stored on the disk and installed in the system.

New Image Technology, Inc.  
10300 Greenbelt Rd., Suite 104  
Seabrook, Md. 20706  
301-464-3100  
Retail Price: \$49.95  
Available now

## Plots II

### Plotter utility



*System Requirements: Macintosh XL with 777 software; one megabyte memory. Special Requirements: Compatible plotter.*

Plots II for the Macintosh XL is a utility program that enables LisaDraw documents to be plotted on a color plotter. It can be used for architectural, engineering, design, and business-graphics applications.

Plots II produces continuous, one-piece drawings up to 36 by 96 inches in size—depending on the plotter—from multi-

page drawings. Plotters supported include the HP 7470-001, HP 7475-001, HP 7550B, HP 7580B, HP 7585B, HP 7586B, and HI DMP 41 and 42.

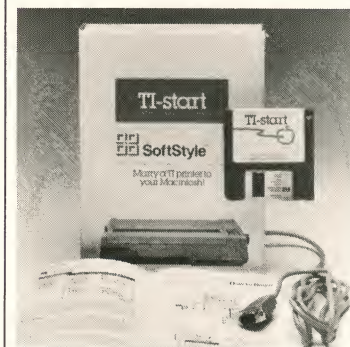
Plots II's scaling features can be used to enlarge charts and graphs for making overhead transparencies, and to reduce large drawings without changing the size of the original.

Some LisaDraw features are not supported. They include clipping (hiding of lines or objects with other objects) and line-pen patterns. Not all fill patterns will be applicable for all objects, but various line thickness is supported.

Computer Shoppe  
PO Box 18344  
615 Guilford Jamestown Rd.  
Greensboro, N.C. 27409  
919-299-4843  
Retail Price: \$295 to \$595 depending on plotter  
Available now

## Printer Interfaces

### Four printer utilities



*System Requirements: 128K or 512K Macintosh. Inclusions: Printer cables with TI-start and Laserstart.*

TI-start interfaces the Macintosh with Texas Instruments's TI 855/865 and 850XL/860XL printers. It can add extra density to graphics printing and supports letter-quality font modules on the TI 855/865 and near letter-quality printing on other models.

Laserstart interfaces the Macintosh with the Hewlett-Packard LaserJet printer. It prints Macintosh graphics and text with



laser quality and supports Hewlett-Packard's letter-quality font cartridges.

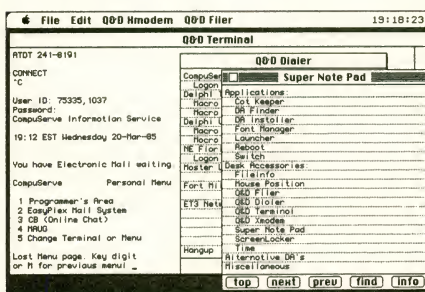
Jetstart interfaces the Macintosh to the seven-pound, portable Hewlett-Packard ThinkJet printer (serial version model 2225D).

Epstart interfaces the Macintosh to Epson MX, RX, LX, FX, JX, and LQ series printers (serial interface required). It supports single-color printing on the JX-80, letter-quality printing on the LQ-1500, near letter-quality printing on capable models, and extra-density graphics printing on all models.

Softstyle, Inc.  
7192 Kalaniana'ole Hwy., Suite 205  
Honolulu, Hawaii 96825  
808-396-6368  
Retail Prices:  
\$75 TI-start  
\$95 Laserstart  
\$45 Jetstart  
\$45 Epstart  
Available now

## Quick & Dirty Utilities

### Disk utilities



*System Requirements: 128K or 512K Macintosh.*

Quick & Dirty (Q&D) Utilities Volume One has many useful applications designed to stand alone. They do not require BASIC or any other language, and are not copy protected so they can be

used on an external floppy-disk drive, on a hard disk, or with the AppleTalk Personal Network.

In addition, a built-in Catalog Keeper allows a user to keep track of disks and display a disk catalog by size, name, type, creator, date last modified, or volume name.

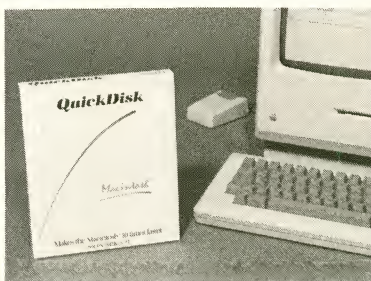
Other disk applications of the Q&D program include the DA Finder, DA Installer, Font Manager, Launcher, Switch, and Reboot.

Desk accessories for this disk are the FileInfo, Mouse Position, Q&D Dialer, Q&D Filer, Q&D Terminal, Q&D Xmodem, ScreenLocker, Super Note Pad, Time, and more.

Dreams of the Phoenix, Inc.  
PO Box 10273  
Jacksonville, Fla. 32247  
904-396-6952  
Retail Price: \$39.95  
Available now

## QuickDisk

### RAM disk utility



*System Requirements: 128K or 512K Macintosh; or Macintosh XL running MacWorks XL.*

QuickDisk, a RAM disk program, makes the Macintosh 512K or XL operate up to 10 times faster.

The speed is accomplished by making a user-selectable portion of a Macintosh's memory look and act like a fast, silent disk drive. Users may find a second disk drive is not required.

An important feature of QuickDisk is

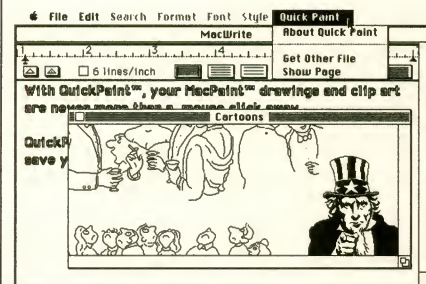
the ability of its user to select capacity size from 50,000 all the way up to 350,000 bytes.

Automatic file copy and eject are other features.

Symmetry Corporation  
3900 East Camelback Rd., Suite 103-S  
Phoenix, Ariz. 85018  
602-224-5944  
Retail Price: \$34  
Available now

## QuickPaint

### MacPaint utility



*System Requirements: 128K or 512K Macintosh; or Macintosh XL running MacWorks XL.*

QuickPaint expands the MacPaint program, allowing faster viewing of drawings from whatever application program a user may be working in.

This accessory ends the task of locating and editing MacPaint drawings. Its mini-view feature browses quickly through volumes of clip art, then expands a selected drawing to fill the screen if desired.

The entire drawing or portions of the same can be cut, copied, or pasted into a MacWrite, MacDraw, or MacPaint file without using the clipboard or file and edit menus.

EnterSet, Inc.  
410 Townsend St., Suite 408  
San Francisco, Calif. 94107  
415-543-7644  
Retail Price: \$49.95  
Available now:



# CORVUS INTRODUCES SHARED STORAGE. FOR THE REST OF THE OFFICE.



**W**ithout mass storage that every Macintosh can access, your networked office won't have a prayer.

Because you'll still have to share data by swapping floppies.

And just consider how fast a floppy disk fills up with an entire workgroup compiling data.

To share information, you have to get those floppies neatly stacked, sorted and cataloged.

Something your computer should do for you.

Which is why we've introduced OmniTalk software. It lets you network your Macintosh Office and LaserWriter printer with an OmniDrive hard disk. So you can store all your files in one place. And share information whenever you want, with whomever you want.

Without turning your floppies into little frisbees. Several people can even access the same information at once—something

a floppy could never do. With OmniDrive and OmniTalk, your Macintosh Office has faster access to software and data, greater storage capacity, even easier back-up

capability. Plus, you get three levels of protection to keep your files safe. And with the Corvus 126MB hard disk, it all costs less per megabyte than any other system. You see, Corvus has more experience networking than anyone else. No one offers more, because no one can.

So take it from us. If you're going to add people to your new Macintosh Office, add the mass storage system that everyone can use. OmniDrive from Corvus. Then your Macintoshes can really start talkin' business.

For more information, call (800) 4-CORVUS.

Circle 28





# StyloPrint- Formatter, StyloType- Formatter

## Word-processing utilities

*System Requirements: 128K or 512K  
Macintosh.*

StyloPrint is a letter-quality printer/formatter for MacWrite or Microsoft Word documents that comes with a form-letter capacity. It allows daisy-wheel or dot-matrix printers to perform proportional spacing, underlining, overlining, boldfacing, superscripting, subscripting, centering, and more.

StyloPrint also allows a user to view formatted documents on screen before being printed out, and print single or multiple copies. It can also print files larger than memory.

StyloType-Formatter has all the StyloPrint capabilities, and the ability to output text files—with typesetter format commands—to a Mergenthaler CRTronic typesetting device. The program converts word-processor format commands to the machine-specific CRTronic commands.

Mergenthaler CRTronic typesetting output is at 2,740 scan lines per inch, compared with the 300 dots per inch of a laser printer.

Advertising brochures, periodicals, newsletters, books, and catalogs can be processed with the StyloType-Formatter.

Stylo Software, Inc.  
482 C St.  
PO Box 916  
Idaho Falls, Idaho 83402  
208-529-3210  
Retail Prices:  
\$129.95 StyloPrint-Formatter  
\$295 StyloType-Formatter  
Available now

# TexSys

## Text Control System

*System Requirements: 128K or 512K  
Macintosh.*

TexSys is a software package that allows a user to create a detailed record of everything in a backup library.

Text control is the process of recording all changes to text files and assigning a version number to each change. Once organized, TexSys can update or retrieve any version easily.

TexSys shows when and why updates were made to files. It compresses all of the changes together into one file, yet can still recover any version of any document at will.

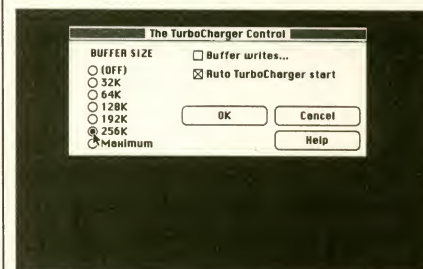
Because of its internal operation, TexSys can typically store 20 versions of a text file in less disk space required for three backup copies.

The program is designed to save the searching time required to find past versions of text files and to make decisions about whether or not to delete them. It will also reduce the number of disks required for backup purposes.

ToolMasters, Ltd.  
1810 Michael Faraday Dr., Suite 205  
Reston, Va. 22090  
703-478-0220  
Retail Price: \$49.95  
Release Date: Third quarter, 1985

# TurboCharger

## Disk-access utility



*System Requirements: 512K Macintosh.*

TurboCharger is a software program that lets Macintosh 512K owners work faster by combining RAM with floppy-disk access. Its manufacturer says that common tasks, such as loading a program, can be performed up to 1200 percent faster with the software.

TurboCharger is actually a disk-memory cache system that works with copy-protected software and most large programs. In fact, TurboCharger works with almost every major Macintosh package including MacWrite, MacPaint, Multiplan, Microsoft Chart, Microsoft Word, PFS:File, PFS:Report, and others.

TurboCharger continuously analyzes disk usage as you work, buffering critical areas of disk in RAM to achieve faster access to your application and data. TurboCharger works automatically with no extra steps. You simply use the Macintosh as you normally would and it will respond faster.

Nevins Microsystems, Inc.  
210 Fifth Ave.  
New York, N.Y. 10010  
212-563-1910  
Retail Price: \$95  
Available now



# NORTHEASTERN SOFTWARE

88 Ryders Lane, Stratford, Connecticut 06497

- Up to 50% off • New larger facilities
- School & corporate purchase orders accepted
- For items not listed please call
- We ship Federal Express — call for details

<b>Advanced Ideas</b>		<b>Oow Jones</b>		<b>Suspended</b>	28.00	<b>Penguin</b>		<b>Specials</b>	
Lucky's Magic Hat	25.00	Market Manager Plus	119.00	Witness	25.00	Graphics Magician	29.00	Copy II Mac	22.00
Dinosaurs Dig	25.00	Spreadsheet Link	60.00	Zork I	25.00	Pensate	24.00	Maxell Disks 3 1/2	34.00
<b>Advanced Logic Systems</b>		Straight Talk	48.00	Zork II	25.00	Quest	24.00	Memorex Disks 3 1/2	33.00
Mighty Mac	Call	<b>Electronic Arts</b>		Zork III	28.00	The Coveted Mirror	24.00	Smooth Talker	95.00
<b>American Training Int'l (ATI)</b>		Financial Cookbook	27.00	<b>Intelligent Statements</b>		Transylvania	24.00	Sony Disks 3 1/2	35.00
MacCoach (Intro. to the Mac)	45.00	Pinball Construction Set	27.00	Professional Blackjack	47.00	Xyphus	24.00	Tecmar Hard Disks	Call
<b>Ann Arbor Software</b>		EnterSet Quick Set	Call	Trivia Arcade	23.00	<b>Planitlr MacType</b>	31.00		
Animation Tool Kit 1	30.00	<b>Esoft Enterprises</b>		<b>Intermatrix Chequebook</b>	46.00	<b>Professional Software</b>		<b>Hardware/Accessories</b>	
Animation Tool Kit 1 (Adv. Ver.)	Call	ColorPrint Software	Call	<b>Kensington Microware LTO</b>		Trivia Fever	24.00	<b>Apple</b>	
<b>Apple Computer</b>		ColorPrint Starter Kit	Call	Professional Type Fonts	60.00	<b>Protekt-It Software</b>		Image Writer 10" & 15"	Call
Mac Project	Call	<b>Expertelligence Experlogio</b>	80.00	<b>Layered Inc. Front Desk</b>	89.00	Pro Copy	Call	Mac External Drive	Call
Mac Terminal	Call	<b>Forethought</b>		<b>Living Video Text</b>		<b>ProVue Development</b>		<b>Assimilations Process</b>	
<b>Apropos</b>		Factfinder	89.00	Think Tank - 128K	75.00	Overview	174.00	Mac Daisy Wheel Connection	74.00
Financial Planning	64.00	Typing Intrigue	30.00	Think Tank - 512K	145.00	<b>Priorly Software</b>		Mac Epson Connection	69.00
Investment Planning	64.00	<b>General Computer Co.</b>		<b>Lotus Jazz</b>	Call	Forbidden Quest	27.00	Mac Turbo Touch	Call
Tax Planner	34.00	Ground Zero	24.00	<b>Macadam Publishing</b>		Gateway	27.00	<b>CompuServe Starter Kit</b>	23.00
<b>Artsci Magic File</b>	59.00	<b>Haba Systems</b>		Windowware Calendar	33.00	<b>Real Data Inc.</b>		<b>Creighton Development, Inc.</b>	
<b>Assimilations Process</b>		Haba Checkminder	Call	Windowware Phonebook	33.00	Commercial Real Estate Dev.	75.00	Proprint	48.00
Lock-It	20.00	Haba Com	Call	<b>Magnum</b>		General Financial Analysis	75.00	Proprint w/8ft Serial Cable	69.00
Mac Memory Disk	20.00	Habadex	50.00	McPic I	30.50	Residential Real Estate	75.00	Proprint w/2 Cables & A-B Switch	148.00
Mac Spell Right	60.00	Haba Window Dialer	Call	McPic II	30.50	<b>Reston Publishing</b>		<b>Curtis</b>	
Mac Tracks	20.00	<b>Harvard Associates</b>		The Slide Show	37.00	Construction Estimator	49.00	Diamond	35.00
<b>Axlion</b>		Desktoppers	30.00	<b>Mainstreet</b>		<b>Rio Grande Software</b>		Emerald	45.00
Art Portfolio	35.00	MacManager	31.00	Main Street Filer	114.00	Softmaker II	105.00	Sapphire	55.00
Card Shoppe	35.00	<b>Hayden Software</b>		Main Street Writer	125.00	Scarborough		Ruby	65.00
Macmatch	31.00	Davinci Building Blocks	49.00	<b>Manhattan Graphics</b>		Make Millions	29.00	<b>Ollithium Press</b>	
Mouse Tracks	30.00	Davinci Commercial Interiors	118.00	Ready Set Go	Call	Mastertype	29.00	PC to Mac and Back	61.00
Typing Avalanche	36.00	Davinci Houses	30.00	<b>Mark of the Unicorn</b>		Run for the Money	30.50	PC to Mac and Back w/Cables	88.00
<b>Blue Chip</b>		Davinci Interiors	30.00	Mouse Stampede	23.00	<b>Sierra-OnLine Frogger</b>	24.50	<b>Elephant</b>	
Baron	36.00	Davinci Landscapes	30.00	<b>Matrix Associates Images</b>	28.00	<b>Simon &amp; Schuster</b>		Image Writer Ribbons	5.00
Millionaire	36.00	Ensemble	178.00	<b>MegaHaus</b>		Typing Tutor III	31.00	<b>Epson</b>	
Tycoon	36.00	Hayden Base	92.00	Megaform	114.00	Sir Tech Wizardry	35.00	RX 80+	199.00
<b>Boston Software</b>		Hayden Spellier	47.00	Megaform	177.00	<b>Softech Microsystems</b>		RX 80ft+	Call
MacPublisher	78.00	I Know It's Here Somewhere	28.00	MegaDesk	75.00	Advanced Dev. Tool Kit	105.00	RX 100+	Call
<b>Brainworks</b>		Master Pieces	24.00	MegaMerge	74.00	Fortran 77 Dev. Sys.	200.00	FX 80+	Call
Chipwits	30.00	Music Works	47.00	<b>Micra Analyst Mac Zap</b>	49.00	Fortran 77 Lang. Compiler	165.00	FX 100+	Call
Thinkfast	24.00	Sargon III	30.00	<b>Microsoft</b>		Mac Advantage: UCSD Pascal	200.00	LX 80+	Call
<b>Brock Software</b>		Word Challenge	25.00	Business Pack	357.00	Mail Manager	84.00	<b>Hanzon</b>	
Keystroke Database	274.00	<b>Henderson Associates</b>		File	115.00	UCSD Pascal Dev. Sys.	135.00	Universal Interface for Epson Printers	65.00
<b>Broderbund</b>		Real Poker	25.00	Mac Basic Interpreter	89.00	UCSD Pascal Lang. Compiler	100.00	<b>Hayes</b>	
Cyborg	25.00	<b>Hippopotamus Hippo-C</b>	117.00	Microsoft Chart	74.00	<b>Softstyle Epstart</b>	23.00	Smartmodem 1200B	Call
Lode Runner	25.00	<b>Human Edge</b>		Microsoft Multiplan	115.00	<b>Softsync</b>		Smartmodem 300B	Call
<b>Casady Company</b>		Communication Edge	115.00	Microsoft Word	115.00	Personal Accountant	55.00	<b>Innovative Concepts</b>	
Fluent Fonts	Call	Management Edge	145.00	<b>Miles</b>		<b>Software Arts</b>		Flip 'n' File (20)	19.00
<b>CBS Murder by the Dozen</b>	28.00	Mind Prober	31.00	Mac Attack	29.00	TK Templates	35.00	<b>Intermatrix MacPhone</b>	124.00
<b>Central Point Mac Tools</b>	22.00	Negotiation Edge	170.00	Mac the Knife	23.00	TKI Solver	145.00	<b>Iomega The Bernoulli Box</b>	Call
<b>Continental/Arrays</b>		Sales Edge	145.00	Mac the Knife II	29.00	<b>Software Publishing</b>		<b>Kensington Microware LTO</b>	
The Home Accountant	57.00	<b>Ideaform MacLabeler</b>	36.00	Mirage Trivia	29.00	PFS: File	70.00	Mac Control Center	68.00
<b>Creative Solutions</b>		<b>Industrial Computations</b>		<b>Monogram</b>		PFS: Report	70.00	Mac Case	10.00
MacForth Level 1	89.00	MacPuzzle	29.00	Dollars & Sense	82.00	PFS: File & Report	110.00	Mac Dust Cover	10.00
MacForth Level 2	139.00	<b>Infocom</b>		Forcast	42.00	<b>Softworks Limited</b>		Mac Starter Pack	54.00
<b>Creighton Development, Inc.</b>		Cutthroats	25.00	<b>NewSoft NewGammon</b>	Call	Southwestern Software		Mac Surge Protector	34.00
Home Pak	24.00	Deadline	31.00	<b>Odesta Helix</b>	240.00	Mac Transfer	32.00	Mac Swivel	20.00
MacOffice	24.00	Enchanter	25.00	<b>Organizational Software</b>		<b>State of the Art</b>		Portable Modem	95.00
MacSpell+	60.00	Hitchhiker's Guide to the Galaxy	25.00	Omnis 2	164.00	Electric Checkbook	49.00	Printer Stand	15.00
<b>CSD, Inc. MacLion</b>	Call	Infidel	28.00	Omnis 3	215.00	<b>Stoneware DB Master Mac</b>	115.00	<b>Koala Mac Vision</b>	228.00
<b>DataPak Software</b>		Planetfall	24.00	<b>PCA Software MacSmith</b>	42.00	<b>T/Maker</b>		<b>Microcom Mac Modem</b>	399.00
MacJack	27.00	Seastalker	25.00	<b>Peachtree</b>		Click Art Personal Graphics	30.00	<b>Micron Technology Micron Eye</b>	279.00
MacPoker	27.00	Sorcerer	28.00	Back to Basics	215.00	Click Art Publications	30.00	<b>Microsoft Mac Enhancer</b>	160.00
MacSlots	48.00	Starcross	31.00	GL/AR/AP	ea. 95.00	Click Art Letters	30.00	<b>Novation</b>	
<b>Desktop Software 1st Base</b>	108.00	Suspect	28.00			<b>Telos</b>		Smartcat w/software	323.00
						File Vision	115.00	<b>Okidata</b>	
						File Vision (Int'l.)	115.00	ML-92S MAC/LISA	Call
						File Vision (UK)	115.00	ML-93S MAC/LISA	Call
						<b>Think Educational</b>		<b>Prentice</b>	
						MacEdge	30.00	Popcom X-100 Modem	290.00
						Mind Over Mac	30.00	<b>Prometheus</b>	
						<b>Videx</b>		Promodem 1200 w/software	365.00
						MacCalendar	53.00	<b>Thunderware Thunderscan</b>	Call
						MacCheckers and Reversi	28.00	Toshiba Printers	Call
						MacFun Pak (4 Games)	24.00		
						MacGammon & Cribbage	28.00		
						MacVegas	34.00		
						<b>Warner</b>			
						Desk Organizer Mac	61.00		

For Inquiries and Connecticut Orders Call (203) 375-3860

For Fast Delivery send cashier's check, certified check or money order. Personal and company check allow 3 weeks to clear. Shipping - Software (\$2.50 minimum), C.O.D. add an additional \$1.75. Shipping - Hardware (please call). Alaska, Hawaii, Canada, PO, APO and FPO \$5.00 minimum. Foreign orders - \$15.00 minimum and 15% of all orders over \$100. Mastercard & Visa (include card # and expiration date). Connecticut residents add 7.5% sales tax. We ship same day for most orders. Prices subject to change without notice. School purchase orders accepted. All returns must have a return authorization number. Call 203-375-3860 to obtain one before returning goods for replacement.



Orders Only • Toll Free

7 Days/Wk 9 a.m. to 9 p.m. EST

**1-800-382-2242**



## FONTastic

### Font editor

*System Requirements: 128K or 512K Macintosh; or a Macintosh XL running MacWorks XL. Inclusions: Font mover.*

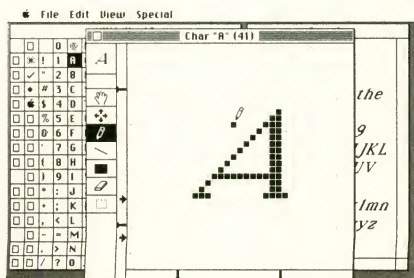
FONTastic allows users to create new fonts from scratch or edit existing fonts from any source. All fonts created with the program are compatible with all Macintosh software, and may be moved from file to file via a built-in font mover.

FONTastic has an additional feature that allows the scaling of a font and manual smoothing of the result in order to improve the appearance of printed characters. The scaling feature also permits independent control of horizontal and vertical scale factors, meaning fonts may be stretched in either direction.

In addition, the program allows character cut-and-paste operations within a font or between fonts, has undo and revert commands, and allows any of seven character-styling operations to be applied: boldface, italic, underline, shadow, condense, expand, or invert.

Images may be cut from MacPaint and pasted into any character of a font, and fonts may be created from images scanned in by popular image-scanning devices.

Altsys Corporation  
PO Box 865410  
Plano, Texas 75086  
214-596-4970  
Retail Price: \$49.95  
Available now



## Fontastics I & II

### Fonts; type faces



*System Requirements: 128K or 512K Macintosh.*

Fontastics I and Fontastics II are a two-disk collection of new fonts or type faces for the Macintosh that are usable with the Font Mover utility. Both packages are sold separately.

The Fontastics I disk contains the following fonts: Baton Rouge, Coventry, Galveston, Lyon, Milwaukee, Novos, Portland, St. Louis, Williamsburg, and Des Moines.

Fontastics II contains: Albuquerque, Atlanta, Brobdingnag, Dublin, Fresno, Lilliput, Lexington, Oxford, Prague, Trizekh, and Cedar Rapids. The latter contains a dozen fancy borders.

The manufacturer of both these programs can design custom fonts, including special symbols and alphabets, for users with specific needs. They are also interested in marketing software written by outside sources. Contact the address below for more information. Dealer inquiries are welcome, too.

Devonian International Software Company  
PO Box 2351  
Montclair, Calif. 91763  
Retail Price: \$22.50 each  
Available now

## GriffinText

### Text editor

*System Requirements: 128K or 512K Macintosh.*

GriffinText is a no-frills, ASCII text editor designed to be used where speed and storage capabilities are of primary importance.

The program displays, processes, and prints text quickly, and it can handle text files that are two or three times larger than those allowed on similar software packages.

GriffinText operates quickly because the disk itself is not accessed when performing routine processing operations such as scrolling. Everyday writing tasks should take less time to complete this way.

The program can process large files, up to 32,760 characters, because it operates in straight ASCII text, and has no fancy-font information or ruler settings as in other programs. In addition, GriffinText saves files as text only, making it compatible with many other applications.

Some of GriffinText's text-processing options include fast word search via a Find window; the ability to merge two or more documents into a single file via a menu-selectable Append command; special key sequences that let a user enter ASCII control characters and a screen display showing standard character names; page format options such as paginate, form feed, insert headers, and set print margins; and a chain-printing function that allows several chapters to be merged into one printed document using continuous page numbers and blank spaces between files.

Finally, cumbersome documents can be written and revised quickly with GriffinText, and MacWrite can be used for final draft embellishments.

Metaresearch, Inc.  
1100 SE Woodward  
Portland, Ore. 97202  
503-232-1712  
Retail Price: \$69  
Available now



# Letter Helper

## Word processing

*System Requirements: 128K or 512K Macintosh.*

Letter Helper is a file-based system offering a business user sample letters to help write a variety of correspondence.

The two-disk set features 150 ready-made letters that can be used with MacWrite, Microsoft Word, and MacPaint as well as the Imagewriter and LaserWriter printers.

A limited list of letter categories includes acknowledgments, announcements, apologies, appointments, claims, adjustments, credit, fund drives, inquiries, orders, sales, and promotions.

C-Band DBS/Encycloware  
715 Washington St.  
Ayden, N.C. 28513  
919-746-2773  
Retail Price: \$49  
Available now

# Mouse Write

## Hebrew word processor

*System Requirements: 128K or 512K Macintosh. Inclusions: Two Hebrew fonts.*

Mouse Write is a bidirectional and bilingual Hebrew word processor. It can read text left to right and right to left. It also supports various keyboard configurations such as U.K., U.S., and Hebrew layouts.

The program comes with two Hebrew fonts and uses all standard MacWrite fonts in proportional and fixed sizes.

Mouse Write provides right justification in Hebrew mode and left justification in English. In addition, both Hebrew and English can be used in the same sentence, and Hebrew and English paragraphs can be mixed in the same document.

Bernard Marks and Associates has been

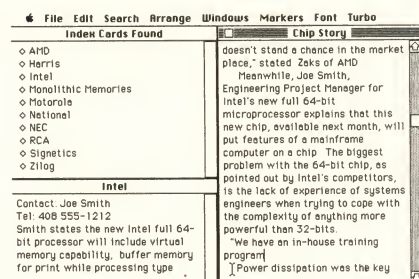
appointed marketing manager for Mouse Write in Israel. The firm is also sole distributor of the product in the U.S., England, Australia, Denmark, and South Africa.

Mouse Write was developed by Gabi Miro, an Israeli software developer and consultant.

Bernard Marks and Associates  
Software Distributors  
Rehov Ha'avoda 24  
Tel Aviv 63821  
Israel  
03-285105  
Retail Price: \$199  
Available now

# PreWriter

## Idea processing



*System Requirements: 512K Macintosh.*

PreWriter is an integrated idea processor that offers simultaneous access to outlining, index-card handling, text processing, and idea manipulation. It's meant to be used on a 512K Macintosh, and it can exchange files with other packages such as Microsoft Word, MacWrite, ThinkTank, and FactFinder.

Users may begin any writing assignment by using PreWriter to jot down ideas, make an outline, create a rough draft, and conclude with composition and final revision. To make the task easier, they may maintain card-file notes and a working document on screen at the same time.

Once a document is written and the author is convinced it reads well, the text can be moved to Microsoft Word or Mac

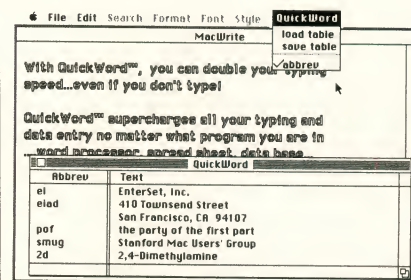
Write for formatting, insertion of special fonts, and additional polishing.

Other capabilities offered by PreWriter include commands to scan a data base of index cards, search and replace text, arrange and rearrange lists of quick notes, and analyze sentences and paragraphs.

MindWork Software Publishing, Inc.  
177 Webster St., Suite A404  
PO Box 2566  
Monterey, Calif. 93942  
408-649-0431  
Retail Price: \$149  
Release Date: September, 1985

# QuickWord

## Word-processing expander



*System Requirements: 128K or 512K Macintosh; or Macintosh XL.*

QuickWord expands word processing in a way that reduces the time it takes to type documents, enter information into data bases, put formulas into spreadsheets, and more. The program allows the user to create abbreviations for frequently used phrases or formulas of up to 50 characters in length.

For example, "ABC Enterprises, Incorporated" may be represented by "ABC." Then, anytime "ABC" is typed and followed by the space bar, period, comma,



or quote mark, the full text is immediately inserted at that location.

Abbreviation tables can be edited on line with QuickWord's own text editor. The application is mounted as an accessory, and all Macintosh option, shift/option, and command characters may be used in abbreviations.

EnterSet, Inc.  
410 Townsend St., Suite 408  
San Francisco, Calif. 94107  
415-543-7644  
Retail Price: \$59.95  
Available now

## RGS Wright+

Writing; graphics; data base



*System Requirements: 128K or 512K Macintosh.*

RGS Wright+ enables a user to perform a variety of word-processing functions and other tasks.

It features a 100,000-word dictionary, a thesaurus, a document indexer, and a word library; all designed to help a user improve personal or business communications.

Also included are data-base capabilities, a math module, and a graphics package for flexibility in writing reports or creating new documents.

RGS Wright+ is compatible with Mac

Write and MacPaint and many hard disks including Corvus, Davong, and Tecmar. On-line help and an undo function are built into the system.

Rio Grande Software, Inc.  
221 Nolana  
PO Box 5906  
McAllen, Texas 78504  
800-527-1121 or 800-292-1031, ext. 2785  
Retail Price: \$199  
Available now

## The Right Word

Spelling checker

*System Requirements: 128K or 512K Macintosh; or Macintosh XL with MacWorks XL. Special Requirements: Microsoft Word.*

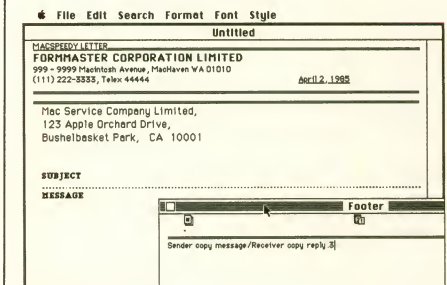
The Right Word is a spell-checking program that checks and corrects misspellings made by users writing documents with Microsoft Word.

The program comes with a 40,000-word dictionary and contains a thesaurus that lists 15,000 English root words.

Assimilation, Inc.  
485 Alberto Way  
Los Gatos, Calif. 95030  
408-356-6241  
Retail Price: \$89  
Available now

## Stationery Starter Set, Resumes, Business Forms Set II

Word processing



*System Requirements: 128K or 512K Macintosh.*

The Stationery Starter Set provides master business forms for a Macintosh user in professionally designed formats and features set tabs and margins.

A wide selection of business stationery as well as designer stationery is included, with layout variations to suit different wording patterns.

The Resumes program offers a variety of resume styles for accountants, engineers, designers, and teachers, among other professions.

Business Forms Set II provides a large assortment of master forms for duplication and use off the disk.

Mac Master Corporation  
115-3700 Gilmore Way  
Burnaby BC  
Canada V5G 4M1  
604-430-3466

Retail Prices:  
\$39.95 Stationery Starter Set  
\$39.95 Resumes  
\$49.95 Business Forms Set II  
Release Date: Third quarter, 1985



## Variomix, Variotrans, and Variotext

Mail merging; letter writing

*System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft Multiplan; external disk drive and printer recommended.*

Variomix is a mail-merging, letter-writing program that allows a Macintosh user to perform automatic mail merges in the middle of text. It has a capacity of 100 to 125 addresses per disk, and includes a near-letter-quality font.

Variotrans allows a user to perform similar mail-merge and letter-writing functions, but it has an added foreign-language capability. It will connect English text with English addresses, French text with French addresses, German text with German addresses, and so on.

Variotrans has a capacity of 125 addresses—including personal salutations—per disk and also includes a near-letter-quality font for output.

Variotext is a basic mail-merge program for small businesses. It has a capacity of 125 addresses with salutations per disk, and uses the same font as the other programs.

All three programs are available in Dutch, English, French, and German.

Mexoft Belgium  
140 Wirtzfeld Ave.  
B 4761 Bullingen  
Belgium  
0032-80647713

Retail Prices:

\$59.95 Variomix (includes Variotext and Variotrans)

\$49.95 Variotrans (includes Variotext)

\$39.95 Variotext

Available now

### EDUCATION

## The Investor's Challenge

Teacher's guide

*System Requirements: 128K or 512K Macintosh. Special Requirements: The Millionaire, Tycoon, and Baron software packages.*

*The Investor's Challenge* is an elementary school through high school teacher's guide that details a microcomputer-based, real-life experience in the economics of the stock market, commodities market, and real estate market for students in this age group.

The guide relies on a Macintosh and existing commercial software—namely *Millionaire*, *Tycoon*, and *Baron*—to motivate and teach students in the following areas: economics, finance, and career awareness.

Participating students receive a detailed introduction into the concepts of supply and demand, opportunity cost, scarcity, and interdependence of markets.

Teachers may modify the program defined in the guide to fit a particular learning environment. Suggestions are included for incorporating field trips, films, and other activities.

Blue Chip Software, Inc.

6744 Eton Ave.

Canoga Park, Calif. 91303

818-346-0730

Retail Prices:

\$4.95 *The Investor's Challenge*

\$60 each *Millionaire*, *Tycoon*, and *Baron*

Release Date: June 1985

## A GENERAL DATA-BASE MANAGEMENT PROGRAM FOR ONLY:

# \$39!

### DATAFAST

- Menu driven, SUPER-EASY to use. We guarantee that you will be able to start using this program in 3 minutes (even without reading the manual!)
- Multipurpose: Mailing lists, Directories of addresses of customers (or friends), Inventories of anything that needs organizing, References, Recipes, Bibliographies, Collector's items, supports alphanumerical and numerical data, Various serious business applications
- Easy entering, updating, sorting, and reorganizing of your data
- You can print labels or formatted reports, "copy" and "paste" any records or sets of records from DATAFAST files into your MacWrite documents (letters, memos, articles), you can also generate "text files" to be accessed by other programs
- You can use predefined formats of records (included) or define your own formats
- DATAFAST is very fast even when your data files are large. It can handle even the most demanding professional applications
- Requires 128k (or 512k) Macintosh with one disk drive

To order send check or money order  
for \$39  
(includes shipping and handling) to:

### STATSOFT

(the developers of STATFAST)  
2831 East 10th Street, Suite 3  
Tulsa, OK 74104. (918) 583-4149

Macintosh is a registered trademark of  
Apple Computer, Inc.

Circle 30 on Reader Service Card



## EDUCATION

## MacEdge II

Several educational programs

*System Requirements: 128K or 512K Macintosh.*

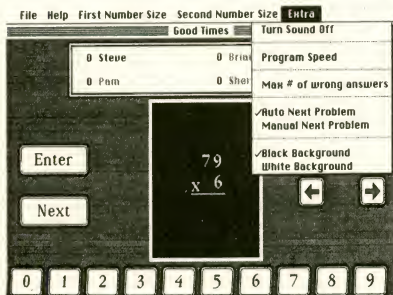
MacEdge II is a series of 10 educational programs designed to be used in sequence. The programs begin with counting of objects and progress to addition and subtraction of objects and numbers.

Next are both horizontal and vertical addition and subtraction programs with multiplication and division, too. Also included is Memory Match, a program that reinforces word and symbol recognition and structural analysis. Last is Word Wonder that focuses on different phonic groups and use of words in context.

A reading program called Alphabet Train, emphasizing sequential letter and number progression, is also included.

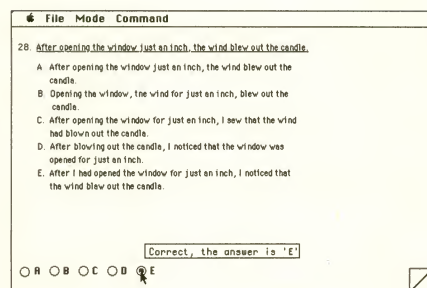
The program contains parent and teacher access routines to allow modification and flexibility. Users can set the program speed, use the teach-me mode, and add word files to Memory Match.

Think Educational Software  
16 Market St.  
Potsdam, N.Y. 13676  
315-265-5636  
Retail Price: \$49.95  
Available now



## SAT, GRE, CBA

Test-score improvement



*System Requirements: 128K or 512K Macintosh.*

Three separate packages from Hayden Software Company, Inc. offer help for those taking high-school or college-level achievement tests.

The first, Score Improvement System for the SAT, allows students to take simulated tests. All information necessary to answer each question given appears on screen, as do instructions for moving from one part of the program to another.

The SAT program includes three modules—Practice Tests, Math, and Verbal—designed to help students raise their overall scores. Also included are simulated SAT exams and reviews of the subjects covered in the verbal and mathematical sections of the SAT.

A second program, Score Improvement System for the GRE, is offered as a study and evaluation tool for college students planning to enter graduate school. It includes a diagnostic pretest and two practice tests scored on the 800 scale, and is designed to simulate the actual three-hour, GRE exam.

The verbal portion of the GRE program covers verbal reasoning and reading comprehension. A quantitative section deals with arithmetic reasoning, basic algebra and geometry, and the interpretation of data.

An analytical-ability section helps with analytical reasoning and logical reasoning.

The Score Improvement System for the

College Board Achievement Tests, the final program in this trio, focuses on the two achievement tests taken by most students, and provides an evaluation of specified English-composition and math skills.

Special review sections offer reinforcement in areas that may require more study and attention. The program also offers strategies and tips to prepare students for the format of the tests.

Hayden Software Company, Inc.  
600 Suffolk St.  
Lowell, Mass. 01854  
617-937-0200  
Retail Price: \$99.95 Each  
Available now

## States and Capitals

Educational game

*System Requirements: 128K or 512K Macintosh.*

States and Capitals is aimed at elementary and high-school students, and is helpful to anyone wishing to test their knowledge of American states.

The program begins by displaying a map of the United States and asks the user to click the computer's mouse on the capital of any state he or she wishes to name. After clicking, the state will zoom large on the screen and the question, "What's my name?" appears. The user must then enter the correct name of the state and its capital city.

If the correct answer is given, the program will calculate a user's score and ask if it should continue to give queries. If the answer given is incorrect after three attempts, the correct answer will appear so that users may learn as they play.

Future Novelties, Inc.  
PO Box 1412  
Rocky Mount, N.C. 27802  
919-442-9510  
Retail Price: \$29.95  
Available now



# Think Fast

## Education

*System Requirements: 128K or 512K Macintosh.*

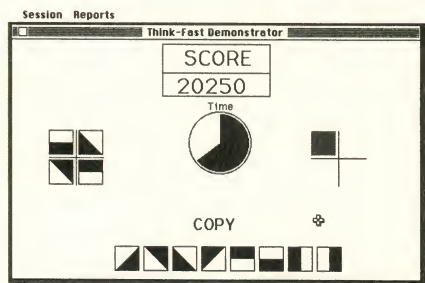
Think Fast is designed to improve short- and long-term memory in both hemispheres of the brain.

Students can strengthen their ability to retain verbal and numeric information (left-brain function) and abstract/visual information (right-brain function).

Think Fast also leads to a better understanding of the brain's hemispheres, and helps users determine whether they are left- or right-brain dominant.

Right-brain memory tasks include comparing, copying, and recalling sets of graphics. Left-brain tasks include both comparing and recalling sets of letters and digits.

BrainPower, Inc.  
24009 Ventura Blvd.  
Calabasas, Calif. 91302  
212-986-6668  
Retail Price: \$39.95  
Available now



## HOME FINANCE

# Financial Cookbook

## Financial analysis

*System Requirements: 128K or 512K Macintosh.*

Financial Cookbook, according to the manufacturer, is easier to use than a calculator. The company also says it is especially fast on a Macintosh.

Every one of the program's 32 financial-calculation "recipes" provides a fill-in-the-blanks work sheet and generates a separate output window. A user can generate and analyze data in a number of windows in hopes of improving his or her personal financial situation.

For example, a user may compare three different interest rates for an investment or loan, including tax and inflation effects, by clicking from window to window via the computer's mouse. Other comparable functions include living on your savings, mortgage schedules, owning your car, and the worth of energy-saving devices.

Electronic Arts  
2755 Campus Dr.  
San Mateo, Calif. 94403  
415-572-2787  
Retail Price: \$50  
Available now

# Forecast

## Tax planning

*System Requirements: 128K or 512K Macintosh.*

Forecast is a personal tax-estimating and what-if modeling program that performs tax calculations such as dividends and interest, capital gains and losses, taxable Social Security income, married-couple

deduction, self-employment tax, alternative minimum tax, tax credits, and income averaging.

The program also displays a work sheet with an overview of a user's tax situation, and provides an immediate estimate of year-end taxes.

In addition, Forecast lets a user set up five different tax scenarios that may be viewed simultaneously, and allows an infinite number of what-if experiments to check the effects of various options. The program can be updated by the user when tax tables change, includes help screens, reads data from the Dollars and Sense program, and generates reports to both screen and printer.

Forecast makes full use of Macintosh capabilities such as windows, icons, pull-down menus, and dialogue and scroll boxes.

Monogram  
8295 South La Cienega Blvd.  
Inglewood, Calif. 90301  
213-215-0529  
Retail Price: \$69.95  
Available now

# The Housekeeper

## Home inventory system

*System Requirements: 128K or 512K Macintosh.*

The Housekeeper is a home inventory system that keeps track of assets and home valuables. It can also be used to calculate an item's depreciated worth.

The program allows a user to print reports for insurance purposes that include an itemized list of assets and a total net worth of items.

Updating can be done at any time once all items are entered, and a new report will be generated.

Aegis Development, Inc.  
2210 Wilshire Blvd., Suite 277  
Santa Monica, Calif. 90403  
213-306-0735  
Retail Price: \$99.95  
Available now



## HOME FINANCE

## Money Maker

### Personal finance

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacWrite.*

Money Maker teaches an individual a "legal, honest, and ethical" method of increasing his or her personal income by hundreds or even thousands of dollars every year.

The program contains 17 different instructional modules, and comes with a variety of work sheets, reference examples, and schedules; all designed to help a user learn how to earn additional money.

Money Maker also comes with a guaranteed refund of its full purchase price if a user does not earn at least twice the cost of the software with the program.

Contact The Professor Corp. for a free catalog.

The Professor Corp.  
959 NW 53rd St.  
Ft. Lauderdale, Fla. 33309  
305-771-6498 or 800-223-5838  
Retail Price: \$99.95  
Available now

## Money Market

### Business, personal finance

*System Requirements: 128K or 512K Macintosh.*

Money Market is a software program for anyone who has any business or personal interest in money matters.

It calculates investments, loans, and depreciation.

The investment section of the program provides answers to all kinds of questions related to saving and investing money.

The loan segment figures out payments on a loan, the actual cost of a loan, interest, etc.

The depreciation portion provides

what-if answers to depreciating anything over different periods of time at various rates.

Future Novelties, Inc.  
PO Box 1412  
Rocky Mount, N.C. 27801  
919-442-9510  
Retail Price: \$39.95  
Available now

## Tax Manager

### Tax preparation

*System Requirements: 128K or 512K Macintosh.*

Tax Manager helps prepare federal income-tax returns.

It identifies deductible expenses and nontaxable income, and defines the correct form or schedule to be filled in at the proper time. Tax Manager also offers prompts in English and allows a user to move forward or backward page by page.

When new data is entered the program automatically recalculates all other affected items and, like a spreadsheet, it can link all schedules to each other and to form 1040.

Tax Manager can also be used to compare the effects of completing a tax return in different ways—income averaging, for example.

Forms supported by the program include: 1040, 2106, 2119, 2210, 2441, 3468, 3903, 4625, 4726, 4797, 5695, and 6251. Schedules supported are: A, B, C, D, E, F, G, R, W, ES, and SE.

Micro Lab  
2699 Skokie Valley Rd.  
Highland Park, Ill. 60035  
312-433-7550  
Retail Price: \$180  
Available now

## Tax Master

### Personal tax preparation

*System Requirements: 128K or 512K Macintosh. Special Requirements: Multiplan and a printer.*

Tax Master helps calculate and prepare U.S. tax returns by processing the following forms and schedules: 1040, 2106, A, B, C, D, E, W, and SE. Other forms and schedules are available from the program's manufacturer for \$12.50 each.

Tax Master does all necessary calculations for a user including taxes, totals, and subtotals. It also prints on IRS forms or plain paper, and a user can have multiple schedule Cs, Ds, or Es, and work sheets for any item.

Tax Master requires Microsoft Multiplan. Updated 1985 forms will be available in the fall for approximately \$50.

Mac Products  
20231 San Gabriel Valley Dr.  
Walnut, Calif. 91789  
714-595-4838  
Retail Price:  
\$99 Without Multiplan  
\$249 With Multiplan  
Available now



# Control Room

This office is real. You can order it now.\*

It is brought to you by Odesta Helix.

The data-based system solution for people who take care of business.

## What is Odesta Helix™?

Helix is a data-based information management & decision support system. It provides a data-based "pool" into which you may put all kinds of information ---text, numbers, pictures, or ASCII data-communications (via MacTerminal™) ---without having to know a programming language or battle with command codes, modes, or imposed structure.

## A System Solution---Once & For All.

Once information is entered, it is then just as easy to examine from any angle, and use in any application. From reports, lists, and mail merge letters to analyses and interactive searches. All within Helix. And all without having to learn a query language, spread-sheet formulae, report formatting or data-base algebra.

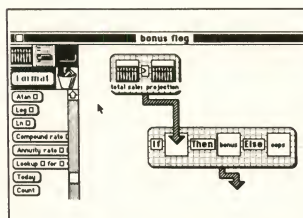
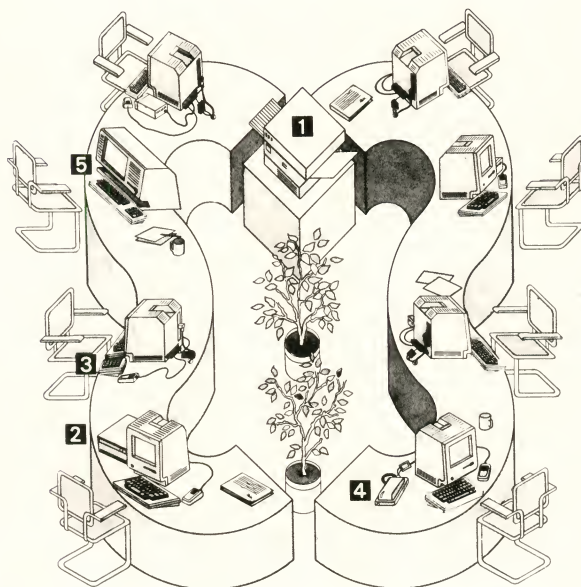
## Bridging the Gap & Closing the Circle.

If you manage resources or information, you are probably already asking the next question:

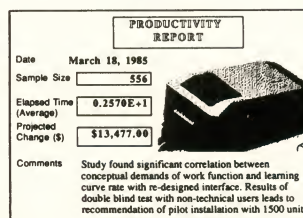
"Since Helix lets us build applications on top of a flexible data-based foundation, can we share that information within our business or department?"

Yes. Now you can have direct access to the real operational pulse of your organization---its contracts, orders, shipments, research or inventory. Information that you can easily query and evaluate with visual tools so innovative that they should be seen rather than described. That let you schedule projects and allocate resources based on historical data---and then re-formulate tactics and plans as conditions change.

And that let you close the circle by embedding your own flags in the system to give direction to others, and to manage by exception rather than rule.



One of the acclaimed innovations of Helix is the way you can visually manipulate powerful concepts and calculations almost as easily as you can say them. A manager may now build or specify applications using his or her own expertise --- instead of having to learn programming or rely on a programmer.



Since numbers, words, and pictures communicate more meaning when seen in context, Helix lets you work with them in any combination. Illustrated price lists, personnel documentation, training materials, competitive analysis research...

## How Real is Real?

Visit a dealer who can demo Helix and The Macintosh™ Office. Take a seat and make it real for yourself. Or call us at 1-800-323-5423 (Illinois: 1-312-498-5615) or send us the coupon to get a free copy of our "Control Room" brochure, including samples of actual LaserWriter output.

\* Available at any Businessland™ Center or Moore Business Center. For the name of other Helix dealers near you, call Softsel at 1-800-556-2283.

## Room With a View

Ask someone about Helix who is using it, and you will understand why it has been a best selling business program since it began shipping January 11, 1985. Then combine its dynamic flexibility and personal control with the concept of shared resources, and you may decide that our version of The Macintosh Office warrants your serious consideration.

## Interior Design

As a manager, you practice the art of hitting a moving target. The success of your aim depends on knowing where you stand. That is specifically what Odesta Helix is designed to provide, and what The Macintosh Office offers as a cost-effective vehicle. Existing mainframes, minis, and personal computers are either too unresponsive, inflexible, or limited to provide you with the hour to hour, day by day answers you require. And since these two types of systems are so different, and serve such different sets of needs, we suggest that parallel installations will develop naturally, and complement one another.

## Knobs & Buttons

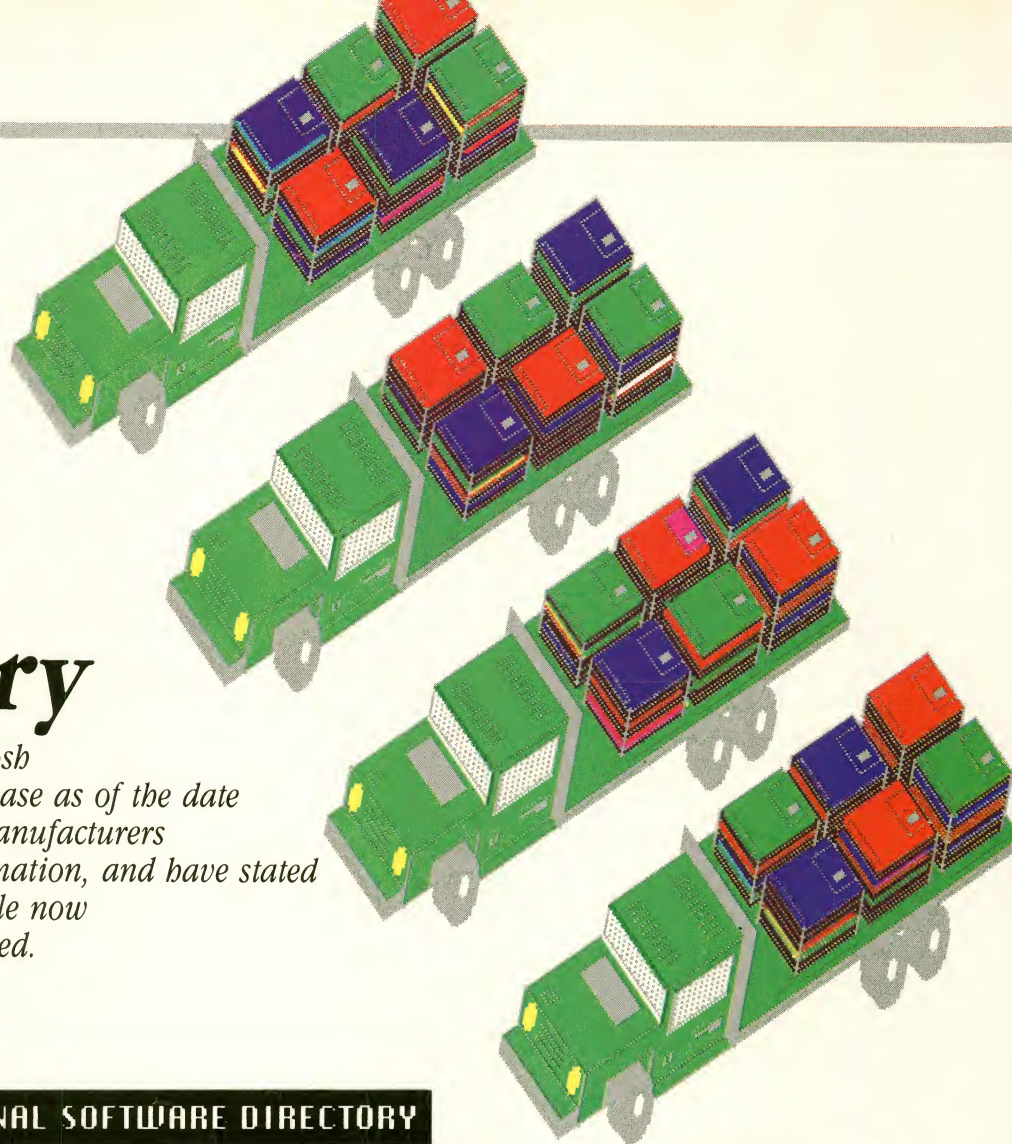
**1** Odesta Helix drives the LaserWriter with many Macintoshes at once, producing publication-ready reports, documents with numbers, text, and picture data, and irresistible mail-merge letters. **2** With the Corvus OmniDrive™ and OmniTalk™ Helix uses shared mass storage and supports sequentially shared files. **3** By fully supporting the keypad, Helix makes numeric data entry completely independent of keyboard and mouse. **4** Modem based data-communication for remote Helix file transfers, as well as for ASCII file Dump & Load to other programs and machines. **5** Helix supports the Macintosh XL (and Lisa™ under MacWorks™), using its full screen and running unfettered on its hard disk (as well as such 3rd party hard disks as the Corvus™ HyperDrive™ and Quark™).





# Product Directory

Here are listings of all Macintosh products in our data base as of the date this issue went to press. The manufacturers have supplied all the information, and have stated that their products are available now unless otherwise indicated.



## BUSINESS & PROFESSIONAL SOFTWARE DIRECTORY

### ACCOUNTING

#### Auto Accountant Business Series

Stylo Software, Inc., see page 24

#### Back to Basics Accounting System General Ledger

Accounting

*System Requirements:* 128K or 512K Macintosh; two disk drives.

\$175 retail

Peachtree Software; 3445 Peachtree Rd. NE; Atlanta, Ga. 30326; 800-554-8900

#### BIZMAC Small Business and BIZMAC Client Write-Up

Accounting

*System Requirements:* 128K or 512K Macintosh or Macintosh XL; external disk drive.

Applied Logic Systems, Inc.; 2614 N 29th Ave.; Phoenix, Ariz. 85009; 602-272-9355

#### Complete Accounts

Accounting

*System Requirements:* 128K or 512K Macintosh; two drives or a hard disk recommended. Also runs on Macintosh XL.

\$349 retail

Rune Software; 80 Eureka Sq., Suite 214; Pacifica, Calif. 94044; 415-355-4851

#### dbSPay

Payroll

*System Requirements:* 128K or 512K Macintosh. *Special Requirements:* External drive for 50 or more employees, and Imagewriter printer.

\$275 retail

Deverill Business Systems; 26-32 Hill St.; Poole, Dorset, England; 202-670-852

#### Gallery

Accounting

*System Requirements:* 128K or 512K Macintosh.

\$795 retail (Four-module package)

Micromax Systems, Inc.; 6868 Nancy Ridge Dr.; San Diego, Calif. 92121; 619-457-3131

#### General Ledger

Accounting

*System Requirements:* 128K or 512K Macintosh.

\$295 retail

Applied Micro Solutions; PO Box 860; Fort Collins, Colo. 80522; 303-484-3541

#### General Ledger

Accounting

*System Requirements:* 128K or 512K Macintosh.

\$199 retail

Symposium, Inc.; 914 Silver Spring Ave., Suite 103; Silver Spring, Md. 20910; 301-587-6381



## ACCOUNTING

### Hardisk Accounting

#### Accounting

*System Requirements: 128K or 512K Macintosh; Macintosh XL. Special Requirements: Hard-disk drive.*

\$695 each module

Great Plains Software; PO Box 9739; Fargo, N.D. 58109; 701-281-0550

### In-House Accountant

United Software Industries, see page 24

### MacAccountant

Accounts payable/receivable, general ledger

*System Requirements: 128K Macintosh. Special Requirements: Hard-disk drive for The Complete MacAccountant.*

\$700 retail; The Complete MacAccountant

\$300 each; Individual programs

Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800 or 914-964-5200

### Mac Business

#### Accounting

*System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft BASIC.*

\$24.95 retail

Dimensional Disks; PO Box 1180; Blaine, Wash. 98230; 604-584-2601

### Maccountant

#### Accounting

*System Requirements: 128K or 512K Macintosh.*

\$195 retail

Digital Etc. Software Products; 1749 14th St.; Santa Monica, Calif. 90404; 213-452-5636 or 800-922-7500 (in Utah 800-662-2500) for free demo disk

### Mac Junior Ledger

#### Accounting

*System Requirements: 128K or 512K Macintosh; two disk drives or a hard disk.*

\$245 retail

Lake Avenue Software; 77 N Oak Knoll, Suite 105; Pasadena, Calif. 91101; 818-792-1844

### Palantir Financial Series

Palantir Software, see page 25

### Rags To Riches

#### Accounting

*System Requirements: 128K or 512K Macintosh; printer.*

Chang Labs; 5300 Stevens Creek Blvd.; San Jose, Calif. 95129; 800-972-8800

### RealWorld Accounting Systems

#### Accounting

*System Requirements: 128K or 512K Macintosh; two disk drives.*

\$745 retail; each module

\$345 retail; Sales Analysis

R.M.A.; #4 Doral Pl.; Richardson, Texas 75080; 214-680-9229

### ZAP!Invoice

Aegis Development, Inc., see page 25

## BUSINESS GRAPHICS

### GRIDS

Soft Wares, Inc., see page 25

### Microsoft CHART

#### Business graphics

*System Requirements: 128K or 512K Macintosh.*

\$125 retail

Microsoft Corporation; 10700 Northup Way, Box 97200; Bellevue, Wash. 98009; 206-828-8080

**See also Integrated Software, page 106**

## COMMUNICATIONS

### 1stPORT

#### Communication; data conversion

*System Requirements: 128K or 512K Macintosh.*

\$95 retail

DeskTop Software Corporation; 244 Wall St.; Princeton, N.J. 08540; 609-924-7111

### BLAST

#### Communications

*System requirements: 512K Macintosh.*

\$250 retail

Communications Research Group; 8939 Jefferson Hwy.; Baton Rouge, La. 70809; 504-923-0888

### DeskNet

#### Communications

*System Requirements: 128K or 512K Macintosh. Special Requirements: Modem or RS-232 cable.*

\$125 retail

Applied Ideas, Inc.; 300 Goodhope Ave.; San Pedro, Calif. 90732

### Dow Jones Straight Talk

#### Communications

*System Requirements: 128K or 512K Macintosh. Special Requirements: Modem.*

\$79 retail

Dow Jones & Company, Inc.; PO Box 300; Princeton, N.J. 08540; 800-257-5114

### GriffinTerminal

Metaresearch, Inc., see page 28

### GriffinTerminal 100

Metaresearch, Inc., see page 28

### HabaCom

#### Communications

*System Requirements: 128K or 512K Macintosh.*

\$69.95 retail

Haba Systems; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822

### inTouch

#### Communications

*System Requirements: 128K or 512K Macintosh.*

\$149.95 retail

Software Masters; 3330 Hillcroft, Suite BB; Houston, Texas 77057; 713-266-5771

### LEXIS/NEXIS

#### Communications software

*System Requirements: 128K or 512K Macintosh; modem.*

\$225 per diskette

Mead Data Central; PO Box 933; Dayton, Ohio 45401; 800-227-4908

### Mac2624

Tymlabs Corporation, see page 28

### MAC/3000

DPEX, Inc., see page 29

### MacDasher

KAZ Business Systems, see page 29



## COMMUNICATIONS

### MacLink

#### Communications

*System Requirements:* 128K or 512K Macintosh. *Special Requirements:* Modems for the Macintosh and the IBM PC; or an interface cable. *Inclusions:* Two software diskettes; one for the Macintosh and one for the IBM Personal Computer; optional interface cable. \$125 retail; MacLink

\$155 retail; MacLink with eight-foot interface cable

DataViz, Inc.; 16 Winfield St.; Norwalk, Conn. 06855; 203-866-4944

### MacMail

Aegis Development, Inc., see page 29

### MacTerm

#### Terminal emulation

*System Requirements:* 128K or 512K Macintosh.

\$99 retail

Infotek, Inc.; 56 Camille Ln.; E. Patchogue, N.Y. 11772; 516-289-9682

### MacTerminal

#### Communications

*System Requirements:* 128K or 512K Macintosh; Apple (or other compatible) modem; RS-232 cable. For IBM 3278 communications, an AppleBus or Apple Cluster Controller is also required.

\$99 retail

Apple Computer, Inc.; 20525 Mariani Ave.; Cupertino, Calif. 95014; 408-973-3317

### Market Link

Smith Micro Software, Inc., see page 30

### MITE

#### Communications

*System Requirements:* 128K or 512K Macintosh.

\$145 retail

Mycroft Labs, Inc.; PO Box 6045; Tallahassee, Fla. 32314; 904-386-4051

### Mouse Exchange BBS

#### Electronic bulletin-board system

*System Requirements:* 128K or 512K Macintosh. *Special Requirements:* Apple or Hayes-compatible modem, external disk drive or hard disk recommended.

\$39.95 retail

Dreams of the Phoenix, Inc.; PO Box 10273; Jacksonville, Fla. 32247; 904-396-6952

### Mouse Exchange Terminal

#### Communications

*System Requirements:* 128K or 512K Macintosh; one or two disk drives or any hard disk. *Special Requirements:* Modem.

\$39.95 retail

Dreams of the Phoenix, Inc.; PO Box 10273; Jacksonville, Fla. 32207; 904-396-6952

### PC to MAC and BACK

#### Communications

*System Requirements:* 128K or 512K Macintosh; modem recommended. 128K IBM PC; one disk drive; modem recommended. *Inclusions:* User's guide, Macintosh disk; IBM PC diskette.

\$149.95 retail

dillithium Press; 8285 SW Nimbus, Suite 151; Beaverton, Oreg. 97005; 503-646-2713

### PROCOM-M

#### Communications

*System Requirements:* 128K or 512K Macintosh; and any Prometheus-compatible or Hayes command-compatible modem.

\$99 retail; PROCOM-M

\$549 retail; MAC PAC

Prometheus Products, Inc.; PO Box 4156; Fremont, Calif. 94539; 415-490-2370

### Smartcom II

Hayes Microcomputer Products, Inc., see page 30

### Tekalike

#### Communications

*System Requirements:* 128K or 512K Macintosh. *Special Requirements:* A modem is optional.

\$250 retail

Mesa Graphics; PO Box 506; Los Alamos, N.M. 87544; 505-672-1998

### Telescope

Mainstay, see page 30

## CREATIVE

### 500 Menu Patterns for MacPaint

#### Paint-bucket patterns

*System Requirements:* 128K or 512K Macintosh. *Special Requirements:* MacPaint.

\$29.95 retail

FingerTip Software; PO Box 4917; Long Beach, Calif. 90804; 213-498-8064

### Animation Toolkit #1 Advanced

Ann Arbor Softworks, Inc., see page 31

### Animation Toolkit #2

Ann Arbor Softworks, Inc., see page 31

### ClickArt Effects

#### MacPaint enhancer; special effects

*System Requirements:* 128K or 512K Macintosh.

\$49.95 retail

T/Maker Company; 2115 Landings Dr.; Mountain View, Calif. 94043; 415-962-0195

### ClickArt Personal Graphics

#### Drawings, illustrations

*System Requirements:* 128K or 512K Macintosh.

\$49.95 retail

T/Maker Company; 2115 Landings Dr.; Mountain View, Calif. 94043; 415-962-0195

### ClickArt Publications

#### Drawings, illustrations

*System Requirements:* 128K or 512K Macintosh. *Special Requirements:* MacPaint, MacWrite, or any compatible program.

\$49.95 retail

T/Maker Graphics; 2115 Landings Dr.; Mountain View, Calif. 94043; 415-962-0195

### ConcertWare

Great Wave Software, see page 31

### Deluxe Music Construction Set

Electronic Arts, see page 36

### Designs for MacPublishing

Boston Software Publishers, Inc., see page 36

### Easy Trace

Heizer Software, see page 36

### Graphics Magician

Penguin Software, see page 37



### Headline Graphics

Typefaces; illustrations

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.*

\$24.95 retail

American Softwerkz; PO Box 678; Brandon, Fla. 34299; 813-626-0755

### High Flyers Vol. 1

Famous-person images

*System Requirements: 128K or 512K Macintosh.*

\$29.95 retail

Macadam Publishing, Inc.; 4700 SW Macadam Ave.; Portland, Ore. 97201; 503-241-8060

### Maccessories Graphic Accents

Drawings, illustrations

*System Requirements: 128K or 512K Macintosh.*

\$49.95 retail

Kensington Microware Ltd.; 251 Park Ave. S; New York, N.Y. 10010; 212-475-5200

### MacGrid

Drawing aid

*System Requirements: 128K or 512K Macintosh. Inclusions: Plastic overlays.*

\$39.95 retail

Diablo Valley Design; 4103 Hidden Valley Rd.; Lafayette, Calif. 94549; 415-283-1082

### Macinshots Photo Album #1

Video images

*System Requirements: 128K or 512K Macintosh.*

\$49.95 retail

Design Loft, Inc.; PO Box 1650; Palo Alto, Calif. 94302; 415-493-9500

### MacMemories Series

ImageWorld, Inc., see page 37

### MacSlideshow

Presentation graphics

*System Requirements: 128K or 512K Macintosh.*

\$195 retail

American Intellware Corporation; 330 Washington St., Suite 400; Marina Del Rey, Calif. 90292; 213-827-0803

### Mac The Knife/Volume One: Sampler

Drawings, illustrations; fonts

*System Requirements: 128K or 512K Macintosh.*

\$39 retail

Miles Computing, Inc.; 21018 Osborne St., Bldg. 5; Canoga Park, Calif. 91304; 818-994-7901

### MacVision

Video digitizer

*System Requirements: 128K or 512K Macintosh. Special Requirements: Video camera, VCR, or other video source. Inclusions: Digitizing hardware and software.*

\$399.95 retail

Koala Technologies Corp.; 2065 Junction Ave.; San Jose, Calif. 95131; 800-562-2327

## COPY II MAC™

### • BACKS UP PROTECTED SOFTWARE!

Copy II Mac does more than just sector copy. Its bit copy program has the built-in power and flexibility to handle most protection schemes\* *automatically!*

### • INCLUDES THESE POWERFUL UTILITIES:

- Sector Copy
- Make Files Visible/Invisible
- Sector/File Editor
- Format/Verify Disks
- Repair Damaged Disks
- Copy Protect/Unprotect
- Undelete Files
- Copy Files/Disk

System Requirements: 128K Macintosh, 1 drive.

(Two drives and 512K fully supported!)

\*We update Copy II Mac as often as needed to handle new protections; you as a registered owner may update at any time for ½ price! (To update, just send your original disk and \$20.)

Increase the power of your  
MACINTOSH . . . use COPY II MAC ONLY

**CENTRAL POINT**  
Software, Inc.

**\$39.95**

PLUS \$3.00 SHIPPING/HANDLING

9700 SW Capitol Hwy., #100 / Portland, OR 97219

(503) 244-5782

M-F 8-5:30 (W. Coast Time)



CHECK, COD WELCOME  
(Prepayment Required)

Versions also available for IBM, Apple and Commodore 64!

*These products are provided for the purpose of enabling you to make archival copies only.*

Circle 32 on Reader Service Card

## FALLING PRICES



Prices on personal computer supplies and accessories have fallen steadily. As a national distributor, we can react quickly to these price changes, passing on substantial savings to you. Call before you make your next purchase and get the lowest possible price **today** on:

SONY. maxell 3M V Verbatim. Nashua  
Dysan. Sentinel VERIFLEX MEMOREX

**1 800 USA FLEX**

In Illinois 1 (312) 351-9700

Circle 33

**COMARK**

135 N. Brandon  
Glendale Hts., IL 60139

VISA, MASTERCARD, COD OR NET 30 ON PURCHASES  
OVER \$200.00 WITH APPROVED CREDIT.



## CREATIVE

### MAGIC

Video digitizer

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint. Inclusions: Hardware and software.*

\$399 retail; Without camera

\$549 retail; With camera

New Image Technology, Inc.; 10300 Greenbelt Rd., #104; Seabrook, Md. 20706; 301-464-3100

### Magic Slate

Devionics, see page 38

### McPic! and McPic! Volume 2

Drawings, illustrations

*System Requirements: 128K or 512K Macintosh. Inclusions: 28-page Hint Manual with each program.*

\$49.95 retail; McPic!

\$49.95 retail; McPic! Volume 2

Magnum Software; 21115 Devonshire St., Suite 337; Chatsworth, Calif. 91311; 818-700-0510

### MICRO-IMAGER

Video digitizer

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint. Inclusions: Software interface and cable.*

\$399 retail

Servidyne Micro Systems, Inc.; 1735 DeFoor Pl. NW; PO Box 93846; Atlanta, Ga. 30377; 404-352-2050

### Music Character Set

Music notation

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.*

\$24.95 retail

South Bay Software; PO Box 969; Millbrae, Calif. 94030; 415-579-5455

### Music Shop

Music composition

*System Requirements: 128K or 512K Macintosh.*

Available second half, 1985

Broderbund Software; 17 Paul Dr.; San Rafael, Calif. 94903; 415-479-1170

### MusicType

Music notation

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint. Inclusions: Keyboard template.*

\$49.95 retail

Shaherazam; PO Box 26731; Milwaukee, Wis. 53226; 414-442-7503

### MusicWorks

Music composition

*System Requirements: 128K or 512K Macintosh.*

\$79.95 retail

Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01854; 617-937-0200

### The Pattern Collection Volume 1

RoZet, see page 38

### The Pixel Artist System

Color graphics

*System Requirements: 512K Macintosh; Macintosh XL.*

Micro Core Ltd.; 5 Broomfield Rd.; Chelmsford, Essex CM1 1SY; England; 0245-264230

### Presentations

Graphics; borders; symbols

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.*

\$29.95 retail

Software Apple-cations; 11510 Alejandro; Boise, Idaho 83709; 208-322-8910

### The Print Shop

Broderbund Software, see page 38

### Professional Composer

Music composition

*System Requirements: 512K Macintosh.*

\$495 retail

Mark of the Unicorn; 222 Third St.; Cambridge, Mass. 02130; 617-576-2760

### The Slide Show Magician

Graphics; special effects

*System Requirements: 128K or 512K Macintosh.*

\$59.95 retail

Magnum Software; 21115 Devonshire St., Suite 337; Chatsworth, Calif. 91311; 818-700-0510

### SmArtmouse

Drawings, illustrations

*System Requirements: 128K or 512K Macintosh.*

\$39.95

Pleasant Graphic Ware; PO Box 506; Pleasant Hill, Oreg. 97455; 503-741-1401

### SmoothTalker

Speech-synthesis software

*System Requirements: 128K or 512K Macintosh.*

\$149.95 retail

First Byte, Inc.; 2845 Temple Ave.; Long Beach, Calif. 90806; 213-595-7006

### SongPainter

Music composition

*System Requirements: 128K or 512K Macintosh.*

\$59.95 retail

Rub'con Publishing; 6300 La Calma Dr., Suite 100; Austin, Texas 78752; 512-454-5004

### TALKSHOW

Vocalized graphics environment

*System Requirements: 128K or 512K Macintosh.*

\$149 retail

Rune Software; 80 Eureka Sq., Suite 214; Pacifica, Calif. 94044; 415-355-4851

### Total Music

Southworth Music Systems, Inc., see page 38

### VideoWorks

Hayden Software Company, Inc., see page 39



## DATA BASE

### 1stBASE

Data-base management

*System Requirements: 128K or 512K*

*Macintosh.*

\$195 retail

DeskTop Software Corporation; 244 Wall St.; Princeton, N.J. 08540; 609-924-7111

### Brock Keystroke Relational Data Base and Report Generator

Data-base management

*System Requirements: 128K or 512K Macintosh; or Macintosh XL.*

\$395 retail

Brock Software Products, Inc.; 8603 Pyott Rd.; PO Box 799; Crystal Lake, Ill. 60014; 815-459-4210

### DataFast

Statsoft, see page 39

### DB MASTER for the Macintosh

Information management; data base

*System Requirements: 128K or 512K*

*Macintosh; printer recommended.*

\$195 retail

Stoneware, Inc.; 50 Belvedere St., San Rafael, Calif. 94901; 415-454-6500

### Dimensional Filer

File manager

*System Requirements: 128K Macintosh. Special Requirements: Microsoft BASIC.*

*System Requirements: Microsoft BASIC.*

\$24.95 retail

Dimensional Disks; PO Box 1180; Blaine, Wash. 98230; 604-584-2801

### Factfinder

Data organization and management

*System Requirements: 128K or 512K*

*Macintosh.*

\$150 retail

Forethought, Inc.; 1973 Landings Dr.; Mountain View, Calif. 94043; 800-622-9273

### FileMaker

Forethought, Inc., see page 39

### Filevision

Data-base management

*System Requirements: 128 or 512K*

*Macintosh.*

\$195 retail

Telos Software Products; 3420 Ocean Park Blvd.; Santa Monica, Calif. 90405; 800-554-2469 or 800-423-6322 in Calif.

### FlexFile

File management; data base

*System Requirements: 128K or 512K*

*Macintosh.*

\$49.95 Introductory

Software Discoveries, Inc.; 99 Crestwood Rd.; Tolland, Conn. 06084; 203-872-1024

### "I Know It's Here Somewhere!"

Filing system

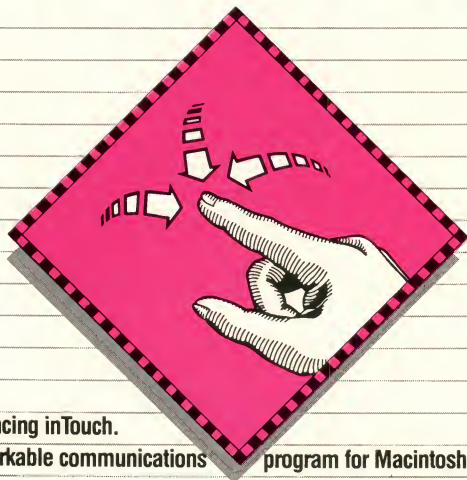
*System Requirements: 128K or 512K*

*Macintosh.*

\$59.95 retail

Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01854; 800-343-1218

## inTOUCH



Announcing inTouch.

A remarkable communications program for Macintosh.

Impressive power. Point and Click simplicity.

inTouch transfers information between Macintosh and most other computers with three industry-standard protocols and baud rates to 19,200. Programmable function keys and CCL (Communications Command Language) let you tailor inTouch to your situation and automate repetitive tasks. Plus, inTouch emulates most popular terminals, including Televideo and VT-100. Get inTouch. And you will be.

inTouch communications program for Macintosh. \$149.95.

Software Masters, 3330 Hillcroft, Suite BB, Houston, Texas 77057.

(713) 266-5771.

Circle 34

**Software  
Masters™**

## Find it Fast!

"This Looks Neat!"-Steve Jobs

## MacBriefs™

Bimonthly Digest for Macintosh™ Enthusiasts



Encyclopedic organization of most Mac articles appearing in Magazines, Newspapers, Trade Journals, & Newsletters.

- \* Summarized so you can Get Facts Fast
- \* 1/3 Original Reviews, Editorials, Articles
- \* Lists of User Groups, Periodicals, Products
- \* 20,000+ circulation of Laser Preview Edition
- \* Know Where to Go for Details
- \* Helps you TAKE ACTION NOW!



714/842-0518

MacBriefs™ \$12 a year

PO Box 2178, Huntington Beach, CA 92647



YES. I want to be a charter subscriber.

(Summer Mac Buyer's Guide)

☐ \$12 for a full year's supply of magazines.

☐ \$1 for Laser Preview Edition.

Circle 35

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

Phone (\_\_\_\_) \_\_\_\_\_

I use Mac for ☐ w/p ☐ dbase ☐ Educa ☐ Pictures ☐ Games ☐ Communicate

☐ 2

☐ Check/MO ☐ Visa ☐ Master Card Exp. Date \_\_\_\_\_

Card No. \_\_\_\_\_

Signature \_\_\_\_\_



## DATA BASE

### The Jovian Database System

Data-base management

*System Requirements: 128K or 512K Macintosh. Inclusions: Forms generator.*

\$49.95 retail

Jovian System Software; PO Box 6993; New Orleans, La. 70174; 504-392-8538

### LaserBase

Laser Software International, Ltd., see page 42

### MacAdvantage:MailManager

Mailing-list, form-letter generator

*System Requirements: 128K or 512K Macintosh.*

\$119 retail

SofTech Microsystems; 16875 West Bernardo Dr.; San Diego, Calif. 92127; 800-451-8080 or 800-824-7867 in Calif.

### MacLion

Data-base management

*System Requirements: 128K or 512K Macintosh; second drive recommended.*

\$379 retail

Computer Software Design, Inc.; 1904 Wright Cir.; Anaheim, Calif. 92806; 714-634-1401

### MegaFiler

Data-base management

*System Requirements: 128K or 512K Macintosh.*

\$195 retail

Megahaus Corporation; 5703 Oberlin Dr.; San Diego, Calif. 92121; 619-450-1230

### Microsoft FILE

File management, data base

*System Requirements: 128K or 512K Macintosh.*

\$195 retail

Microsoft Corporation; 10700 Northup Way, Box 97200; Bellevue, Wash. 98009; 206-828-8080

### Odesta Helix

Information management; data base

*System Requirements: 512K Macintosh or Macintosh XL; external disk drive.*

\$395 retail

Odesta Corp.; 3186 Doolittle Dr.; Northbrook, Ill. 60062

### OMNIS 2

Data base

*System Requirements: 128K or 512K Macintosh. Special Requirements: Text editor (optional). Inclusions: Report generator.*

\$275 retail

Organizational Software Corp.; 2655 Campus Dr., Suite 150; San Mateo, Calif. 94403; 415-571-0222

### OMNIS 3

Data-base manager

*System Requirements: 512K Macintosh.*

\$445 retail

Organizational Software Corp.; 2655 Campus Dr., Suite 150; San Mateo, Calif. 94403; 415-571-0222

### OverVUE 2.0

ProVUE Development Corp., see page 42

### PFS:File and Report

File management; data base; report organizer

*System Requirements: 128K or 512K Macintosh. Second disk drive recommended for large files.*

\$175 retail

Software Publishing Corporation; 1901 Landings Dr.; Mountain View, Calif. 94043; 415-962-8910

### Please

Data-base management

*System Requirements: 128K or 512K Macintosh; two double-sided disk drives or a hard disk.*

\$199 retail

Hayes Microcomputer Products, Inc.; 5923 Peachtree Industrial Blvd.; Norcross, Ga. 30092; 404-441-1617

### RGS File+

Rio Grande Software, Inc., see page 42

### RGS Softmaker II

Rio Grande Software, Inc., see page 42

### ValueSoft Manager

ValueSoft Inc., see page 44

### ZipFinder

SoftIdea, see page 44

**See also Integrated Software section, this page**

## INTEGRATED

### Ensemble

Integrated data base, report and form generator, graphics, word processor, calculator

*System Requirements: 128K or 512K Macintosh.*

\$299.95 retail

Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01854; 617-937-0200

### Harmony

Integrated data base, time manager, word processor, print spooler, communications, calculator

*System Requirements: 128K or 512K Macintosh.*

Intermatrix; 5543 Satsuma Avenue, North Hollywood, Calif. 91601; 818-509-0474

### Jazz

Integrated spread sheet, data base, word processor, graphics, communications

*System Requirements: 512K Macintosh with external disk drive. Optional Hardware:*

*Printer; modem; numeric keypad.*

Available second quarter, 1985

Lotus Development Corporation; 245 First St.; Cambridge, Mass. 02142; 617-494-1270

### MacOffix

Integrated data base, word processor, mail merge, and report generator

*System Requirements: 128K or 512K Macintosh.*

Emerging Technology Consultants, Inc.; 1877 Broadway; Boulder, Colo. 80302; 303-447-9495

### Quartet; Quartet Templates

Integrated spreadsheet, graphs, text editor, data base; templates

*System Requirements: 128K or 512K Macintosh.*

\$199.95 retail; Quartet

\$49.95; Quartet Templates

Haba Systems; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822



## THE MACINTOSH OFFICE

### 3Com EtherSeries

Networking hardware and software

*System Requirements: 128K or 512K Macintosh; AppleTalk Personal Network.*

The 3Com 3Server network server functions in its basic configuration as both an AppleTalk file server and printer server. The 3Server can at the same time function as a server to IBM PCs and other personal computers on 3Com's Ethernet network system. Retail Prices:

\$7,995 3Server

\$3,995 3Server 360MB Expansion Disk

\$3,295 3Server 60MB Tape Backup

\$995 3Server 384K Memory Expansion Board

Available now; 3Server for use with 3Com's Ethernet product line.

Available Summer, 1985; EtherSeries software for Macintosh and AppleTalk support; 3Server Port Expansion Board

3Com Corporation; PO Box 7390; Mountain View, Calif. 94039; 415-960-9200

### ALPS Writing Lab

Text analysis

*System Requirements: 128K or 512K Macintosh; AppleTalk. Recommended: Apple LaserWriter printer and a Macintosh XL.*

The ALPS Writing Lab provides an integrated set of text-analysis programs for English students that identify writing problems and suggest solutions.

A minimal installation might consist of 15 student computers in the lab, five remote units for faculty, a LaserWriter printer, and a Macintosh XL. This would support up to 500 freshman English students.

Automated Language Processing Systems; 190 West 800 North; Provo, Utah 84601; 801-375-0090

### Apple LaserWriter

Laser printer

*System Requirements: 128K or 512K Macintosh.*

The Apple LaserWriter high-resolution printer allows a Macintosh user to produce text that is near typeset quality and graphics that appear to have come from an art department. It can be shared among a work group

of up to 31 people via the AppleTalk Personal Network.

The LaserWriter, an integral part of Apple's Macintosh Office concept, achieves full-page, 300-dots-per-inch output through a Canon LBP-CX10 engine, a built-in computer designed by Apple, and a software language called PostScript.

Available now (U.S. & Canada); \$6,995 retail Available June, 1985 (internationally)

Apple Computer, Inc.; 20525 Mariani Ave.; Cupertino, Calif. 95014; 408-996-1010

### AppleTalk Bernoulli Box

Data storage

*System Requirements: 512K Macintosh; AppleTalk Personal Network.*

The AppleTalk Bernoulli Box is a 20-megabyte disk server for the AppleTalk Personal Network consisting of two 10-megabyte drives, two 10-megabyte cartridges, AppleTalk support software, and utilities.

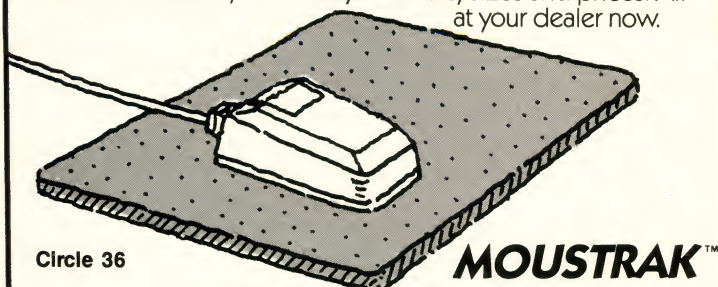
It uses Bernoulli Technology, which offers the benefits of both microfloppies (removability) and the hard disk (speed and capacity). Each cartridge may be partitioned for

**Why thousands of Mac owners bought a \$10.00 product they thought they didn't need.**

The fact is, your mouse can go through a lot of wear and tear every time you use it.

That's why thousands of Mac owners rely on the Moustrak. Its surface reduces mouse wear, keeps the rollers clean and the tracking smooth. Unlike your desktop.

And, the Moustrak is made from the highest quality materials available, in a variety of colors, sizes and prices. All at your dealer now.



Circle 36

**MOUSTRAK™**

For your local dealer, call (707) 963-8179

Macintosh is a registered trademark of Apple Computer, Inc.

**Leave the stone age behind and enter the MAGIC™ age.**



MAGIC captures full screen (512 x 342 pixel) MacPaint-editable images in less than two-fifths of a second—a professional-quality camera interface system for the Macintosh computer.

The MAGIC system is 100% mouse-driven, making it reliable, quick, and fun to use.

Choose from three different capture modes: high-contrast black and white, gray-scale patterned, or our new "edges-only" mode.

MAGIC includes a high quality B&W television camera, electronic interface, and application program on disk.

The complete MAGIC system is available for \$549.00. MAGIC without camera is \$399. A demo disk is available for \$9.95. Visa and MasterCard are accepted. Maryland residents add 5% sales tax.

Call or write:

**New Image Technology, Inc.**  
Suite 104, 10300 Greenbelt Rd.  
Seabrook, MD 20706  
301/464-3100

Circle 37



## THE MACINTOSH OFFICE

multiple users and each partition may be password protected.

Available July, 1985

IOMEGA Corporation; 1821 West 4000 S; Roy, Utah 84067; 801-776-7330

### AppleTalk Personal Network

General-purpose network

*System Requirements: 128K or 512K*

*Macintosh. Inclusions: AppleTalk connector and cable.*

The AppleTalk Personal Network lets computers using The Macintosh Office concept share peripherals and connect together within a work area of approximately 1,000 feet. A single AppleTalk network can connect up to 32 devices, with computers and peripherals configured in any combination. Much of AppleTalk's architecture is already built into the Macintosh, reducing network load. Available now (U.S. & Canada); \$50 per connection

Available June, 1985 (internationally)  
Apple Computer, Inc.; 20525 Mariani Ave.; Cupertino, Calif. 95014; 408-996-1010

### The Keeper

Mass storage; file server; print server/spooler

*System Requirements: 512K Macintosh; AppleTalk Personal Network.*

The Keeper, a hard-disk/file-server system, can be used with multiple Macintoshes on AppleTalk or with a single Macintosh computer. In a network situation, the Keeper's file server lets multiple users read and write to the same volume with no special software required.

The Keeper is available in six configurations including combinations of fixed hard disks and five-megabyte, removable hard disk cartridges. Capacities range from five to thirty megabytes.

\$2,195 and up, depending on hard disk chosen

Micro-Design; 6301 Manchaca Rd.; Austin, Texas 78745; 512-441-7890 or 800-531-5002

### MacAIDE

AppleTalk controller

*System Requirements: 128K or 512K Macintosh; AppleTalk Personal Network.*

MacAIDE is a device—optimized for I/O processing—intended to function as a server, or slave, on an AppleTalk Personal Network.

It will behave like a backplane or motherboard for Macintosh system expansion.

According to its maker, MacAIDE will be used most often by OEMs to ready new products for use on the AppleTalk Personal Network quickly and without a lot of engineering effort.

Infosphere, Inc.; 4730 SW Macadam Ave.; Portland, Oreg. 97201; 503-226-3620

### Mail Center

Information transfer

*System Requirements: 128K or 512K Macintosh.*

Mail Center provides a way for Macintosh users on the AppleTalk Personal Network to send and receive information.

It's made up of two separate programs called Application and Receiver. The first may be used to send information to any person on the network. The latter attaches to the operating system of any other program and monitors all information on the network, storing data sent to its mailbox.

Available second quarter, 1985

Videx, Inc.; 1105 NE Circle Blvd.; Corvallis, Oreg. 97330; 503-758-0521

### MegaForm

Electronic forms processor

*System Requirements: 512K Macintosh.*

MegaForm is a forms and report generator that also acts like a spreadsheet, graphics package, and data base all in one. It is a business product for the 512K Macintosh that can work alone or as part of an integrated software system.

MegaForm allows a user to create any kind of form desired. It also contains several ready-made forms that can be used if needed. Because MegaForm can read information from a MegaFiler data base and perform calculations, a user can even design a form and instruct the program to fill it out.

\$295 retail

Megahaus Corporation; 5703 Oberlin Dr.; San Diego, Calif. 92121; 619-450-1230

### NetWare/MAC

Networking system

*System Requirements: 128K or 512K Macintosh; AppleTalk Personal Network.*

NetWare/MAC will support the AppleTalk Personal Network and enable Macintosh computers to communicate with each other and with various IBM personal computers and compatibles.

Proprietary NetWare Operating Systems Software also supports local-area networks

such as OMNINET, G-NET, proNET, Etherlink, Plan 2000, Multilink, ARC-PC, Personal Mini, Quadnet, and NetWare/S-Net.

Available third quarter, 1985

Novell, Inc.; 1170 N Industrial Park Dr.; Orem, Utah 84057; 801-226-8202 or 800-526-5463

### The NETWAY 1000A AppleTalk Gateway

Tri-Data, see page 44

### OMNINET

Corvus Systems, Inc., see page 47

### OmniTalk

Corvus Systems, Inc., see page 47

### PageMaker

Publishing tool

*System Requirements: 128K or 512K Macintosh. Special Requirements: Printer, plus word-processing and graphics software.*

PageMaker allows a writer, editor, graphic artist, or business person with a Macintosh or Macintosh XL running MacWorks to design and produce camera-ready page layouts.

The user can print out a finished page using reverse type and background tints, depending on the capabilities of the printer used.

Available second quarter, 1985; \$495 retail  
Aldus Corporation; 616 First Ave., Suite 400; Seattle, Wash. 98104; 206-467-8165

### ParaServ

File, print server

*System Requirements: 512K Macintosh; AppleTalk Personal Network.*

ParaServ is a file and print server that works with the AppleTalk Personal Network. It is designed to serve the Macintosh and Apple IIe and II+ personal computers.

ParaServ hardware consists of a server processor, a single board computer in the form of an interface card that resides in an Apple IIe expansion slot.

ParaServ software includes file and print service, network management, and network communications for both Macintosh and Apple II users.

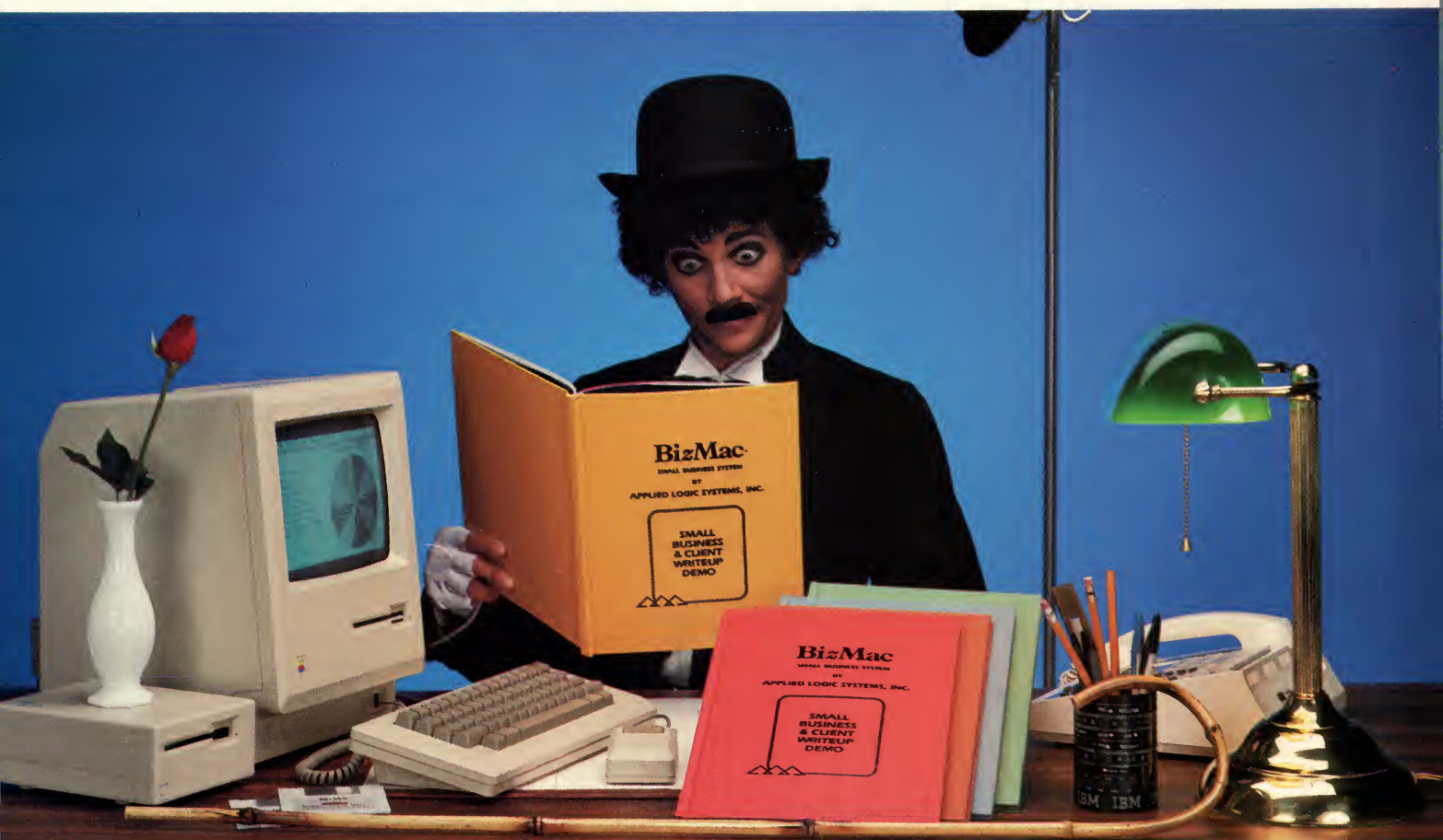
ParaMIS Corporation; 1011 Brioso Dr., Suite 101; Costa Mesa, Calif. 92627; 714-646-1633

### SUN\*MAC Mass Storage Server

Sunol Systems, see page 48



**If you thought all small business accounting software was made only for IBM, think again...**



Hmmmmmmmm....

# **BizMac™**

**The small business accounting system for the Macintosh™**

BIZMAC Small Business System: General Ledger, Inventory, Accounts Receivable, Accounts Payable and two Payroll versions. The complete small business software package specially designed for the Macintosh computer. BIZMAC software enables you to link all parts of the company into a cohesive unit. Single entries in accounts receivable and accounts payable update the other modules automatically. At the click of the mouse, various historical data is at your fingertips, in easy to use form. Built in pie and bar charts make your analysis visual. BIZMAC software gets the job done quickly and efficiently. BIZMAC software, is as "State of the Art" as the Macintosh itself. Every small business needs to have the competitive edge in today's marketplace; for yours, contact your local Apple dealer..... or for more information:

**APPLIED LOGIC SYSTEMS, INC.**

**2614 N. 29th Avenue**

**Phoenix, Arizona 85009**

**(602) 272-9355**

**BizMac™ products are distributed by SOFTWARE PRODUCTS CORPORATION**

**418 E. Southern Tempe, Arizona 85282**

**(602) 829-6800**

**APPLIED LOGIC SYSTEMS, INC. invites accounting professionals to write for information on our new BIZMAC CLIENT WRITE-UP SYSTEM, the efficient way for today's CPA's to keep track of their clients' records.**

© 1984 APPLIED LOGIC SYSTEMS, INC. MACINTOSH IS A TRADEMARK LICENSED TO APPLE COMPUTER, INC. BIZMAC SMALL BUSINESS & BIZMAC CLIENT WRITE-UP ARE TRADEMARKS OF APPLIED LOGIC SYSTEMS, INC.  
IBM IS A REGISTERED TRADE MARK OF INTERNATIONAL BUSINESS MACHINES.

**Circle 38 on Reader Service Card**



## THE MACINTOSH OFFICE

### TOPS

Networking software

*System Requirements: Up to 32 128K or 512K Macintoshes. Special Requirements: AppleTalk.*

With TOPS software users can link up to 32 Macintosh computers without any additional hardware except cables. In addition, Macintosh computers can be linked to IBM PCs over AppleTalk using inexpensive TOPS PC cards. TOPS software is compatible with the AppleTalk Personal Network.

Centram Systems West, Inc.; 2372 Ellsworth Ave.; Berkeley, Calif. 94704; 415-644-8244

### Ultra-Office

Unix/Macintosh network

*System Requirements: 128K or 512K Macintosh.*

Ultra-Talk, Release 1 of the Ultra-Office family of products, links 20 to 30 Macintosh computers to a central, Unix-based microcomputer called a cluster processor. Additional cluster processors may be joined together via a local-area network such as Ethernet to support larger systems.

Available now (Release 1)

\$2,000 retail; Unix component

\$300 retail; Each Macintosh component

Lutzky-Baird Associates; 5601 Slauson Ave., Suite 222; Culver City, Calif. 90230; 213-649-3570

### VINES

Virtual network system

*System Requirements: 128K or 512K Macintosh.*

Vines provides communications compatibility between the Macintosh and IBM, AT&T, and other computers.

Available third quarter, 1985

\$16,900 to \$40,000 retail

Banyan Systems, Inc.; 135 Flanders Rd.; Westboro, Mass. 01581; 617-366-6681

### WOSbase

Multi-user data base

*System Requirements: 512K Macintosh. Special Requirements: AppleTalk Personal Network for multi-users.*

WOSbase is a data-base program that allows multiple Macintoshes running on the

AppleTalk Personal Network to share the same data. It includes facilities for file design, data entry, reporting, and mass updates.

The program's multi-user capability allows several users to simultaneously add, change, remove, or page through data in the same field.

\$495 retail; Multi-user version

\$50 retail; Each additional user on network  
WOS Data Systems, Inc.; 455 Austin, PO Box 744; Colby, Kan. 67701; 913-462-7581

### XINET

MT XINU, see page 48

### XL/Serve

Network hard-disk server

*System Requirements: Macintosh XL, Lisa 2/5 or 2/10 plus any group of Macintoshes or Lisas on the AppleTalk Personal Network; MacWorks XL.*

XL/Serve will allow a Macintosh XL to function as a disk and print server over the AppleTalk Personal Network. It allows all computers on the network to share hard-disk space and printers.

The server allows partitioning of the host hard disk into a number of volumes that can be mounted read-only for common access or read-write for exclusive use, provides print-spooling capabilities, and will support up to 32 AppleTalk users.

\$195 retail

Infosphere, Inc.; 4730 SW Macadam Ave.; Portland, Oreg. 97201; 503-226-3620

### Zilog System 8000

Unix-based microcomputer; cluster processor

*System Requirements: 20 to 30 128K or 512K Macintoshes; Ultra-Talk; and the AppleTalk Personal Network.*

Any Zilog System 8000 Unix-based microcomputer can serve as a cluster processor, allowing access to multiple Macintoshes linked together via Lutzky-Baird's Ultra-Talk and the AppleTalk Personal Network.

This link allows Macintosh users to access the Unix microcomputer and use it as a file server, central host, and more.

Zilog, Inc.; 1315 Dell Ave.; Campbell, Calif. 95008; 408-370-8000

## MISC. MANAGEMENT

### Business Analysis

Work-sheet templates

*System Requirements: 128K or 512K Macintosh. Special Requirements: Multiplan.*

\$49.95 retail

Allegro Software; 79 Milk St., Suite 1108; Boston, Mass. 02109; 800-343-0664 or 800-322-1233, ext. 5500

### Business Forms 1

Business forms on disk

*System Requirements: 128K Macintosh. Special Requirements: MacPaint and MacWrite; Microsoft BASIC is optional.*

\$15 donation

Computer Aide; 1063 Silver Tip Way; Sunnyvale, Calif. 94086; 408-984-2558

### Consultant

Idea management; project planning

*System Requirements: 128K or 512K Macintosh.*

\$200 retail

Organization Development Software, Inc.; 1605 S Garden St.; Palatine, Ill. 60067; 312-397-1684

### dbsForm

Payroll-forms design

*System Requirements: 128K or 512K Macintosh; two disk drives. Special Requirements: dbsPay.*

\$195 retail

Deverill Business Systems; 26-32 Hill St.; Polle, Dorset, England, BH15 1NR; 0202-670852

### Desk Pak

Network Consulting, Inc., see page 48

### DrawForms

Datafood Software Company, see page 49

### Facilitator

Organization Development Software, see page 49

### Financial Overlays for Multiplan

Financial analysis

*System Requirements: 128K or 512K Macintosh. Special Requirements: Multiplan.*

\$100 retail

RealData, Inc.; PO Box 691; Southport, Conn. 06490; 203-255-2732 or 203-838-2670



### Financial Utilities Pak

Cognitive Software, see page 49

### Forecasting and Time Series Software

Lionheart Press, Inc., see page 52

### Harris Loan Calculations/Comparisons

Financing, refinancing

*System Requirements: 128K or 512K Macintosh.*

Harris Technical Systems; 624 Peach St.; Lincoln, Neb. 68501; 402-476-2811

### Human Edge Software

Communicating; personal evaluation

*System Requirements: 128K or 512K Macintosh.*

\$195 retail; The Communication Edge  
\$250 retail; The Management Edge  
\$250 retail; The Sales Edge  
\$295 retail; The Negotiation Edge  
\$50 retail; Mind Prober

Human Edge Software Corp.; 2445 Faber Pl.; Palo Alto, Calif. 94303; 800-624-5227

### Inventory Manager

Inventory control; accounts receivable

*System Requirements: 128K or 512K Macintosh; two disk drives or a hard disk.*

\$300 retail; Inventory Manager  
\$450 retail; Inventory Manager with Accounts

Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800 or 914-964-5200

### Invenu

Small-business inventory

*System Requirements: 128K or 512K Macintosh; one disk drive (two recommended).*

*Special Requirements: Microsoft BASIC.*  
\$295 retail; Without Microsoft BASIC  
\$395 retail; With Microsoft BASIC  
Eureka Computer Systems, Inc.; PO Box 2308; Corsicana, Texas 75110; 214-872-2501

### MacChoice

Decision-making aid

*System Requirements: 128K or 512K Macintosh.*

\$49.95 retail  
Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800 or 914-964-5200

### MacFinance

Financial analysis, management

*System Requirements: 128K or 512K Macintosh.*

\$99.95 retail  
Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800 or 914-964-5200

### MacForms

Business forms on disk

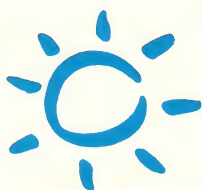
*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.*

\$79.95 retail, 4-disk set  
Datafood Software Company; 400 Country Dr., Suite H; Dover, Del. 19901; 302-736-9098

## Put Your Money Where Your Mac Is!

"From more than 500 offerings on the market, **Money** picks the most useful software for budgeting and investing."

**Money Magazine** chooses Apropos!



A P R O P O S

#### Investment Planning Series \$95

Stock Portfolio  
Real Estate Investment  
Investment Portfolio  
IRA vs. CD  
Loan Amortization

#### Financial Planning Series \$95

Home Budget  
Personal Tax  
Auto Buy vs. Lease  
Investing for College  
Life Insurance

#### Tax Planner '84-'85 \$49.95

Form 1040  
Including: Income Averaging,  
Schedules A,B,C,D,E,F,G,W,SE  
Profit or Loss from Business  
Comprehensive Tax Analysis

All of these products require Microsoft Multiplan and are available now. Contact your local dealer or call us at (415) 948-7227. Mail orders should include \$3.00 for shipping and handling. California residents include 6 1/2% sales tax. Money Magazine quotes were taken from the 11/84 issue. APROPOS SOFTWARE, INC. 64 Hillview, Los Altos, CA 94022



## MISC. MANAGEMENT

### MacLabeler

Disk-labeling system

*System Requirements: 128K or 512K Macintosh; Imagewriter printer.*

\$49.95 retail

Ideaform, Inc.; PO Box 1540; Fairfield, Iowa 52556; 515-472-7256

### Micro Planner

Project management

*System Requirements: 128K or 512K Macintosh.*

\$395 retail; Micro Planner

\$25 retail; Demo

Micro Planning Software USA; 235 Montgomery St., Suite 840; San Francisco, Calif. 94104; 415-788-3324

### Optimization

Lionheart Press, Inc., see page 52

### People In Places

Census data base

*System Requirements: 128K or 512K Macintosh.*

\$49.95 retail

Information Software; 100 Bush St., #200; San Francisco, Calif. 94104; 415-982-1592

### Profit Projector/Breakeven Analysis

Decision support; financial analysis

*System Requirements: 128K or 512K Macintosh.*

\$65 retail

Harris Technical Systems; 624 Peach St.; PO Box 80837; Lincoln, Neb. 68501; 402-476-2811

### Profit Stalker

Stock, commodity analysis

*System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft BASIC.*

\$150 retail

Button-down Software; PO Box 19493; San Diego, Calif. 92119; 619-234-0236

### Resourceful

Paladin Software Corporation, see page 52

### SoftForms

Business forms on disk

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.*

\$39.95 retail

Artsci, Inc.; 5547 Satsuma Ave.; North Hollywood, Calif. 91601; 818-985-5763

### Useful BASIC Programs

Footsteps Software, see page 52

## OFFICE MANAGEMENT

### Business Essentials

Assimilation, Inc., see page 54

### Day Keeper Calendar

Time management

*System Requirements: 128K or 512K Macintosh; or Macintosh XL.*

\$39.95 retail

Dreams of the Phoenix, Inc.; PO Box 10273; Jacksonville, Fla. 32247; 904-396-6952

### The Desk Organizer

Desk management; five integrated functions

*System Requirements: 128K or 512K Macintosh.*

\$99 retail

Warner Software, Inc.; 666 Fifth Ave.; New York, N.Y. 10103; 212-484-3070

### DeskToppers

Desk accessories; four integrated functions

*System Requirements: 128K or 512K Macintosh.*

\$49.95 retail

Harvard Associates, Inc.; 260 Beacon St.; Somerville, Mass. 02143; 617-492-0660

### Habadex

Desktop organizer; four integrated functions

*System Requirements: 128K or 512K Macintosh.*

\$99.95 retail

Haba Systems, Inc.; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822

### HabaSolutions

Problem-solving templates

*System Requirements: 128K or 512K Macintosh.*

Available June, 1985; under \$50

Haba Systems; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822

### Haba WindowDialer

Phone directory and dialing

*System Requirements: 128K or 512K Macintosh; HabaDialer or modem.*

\$49.95 retail; WindowDialer

\$89.95 retail; Bundled with HabaDialer  
Haba Systems, Inc.; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822

### MacCalendar

Appointment book

*System Requirements: 128K or 512K Macintosh.*

\$89 retail

Videx, Inc.; 1105 Northeast Circle Blvd.; Corvallis, Oreg. 97330; 503-758-0521

### MacDesk

Telecommunications; time management

*System Requirements: 128K or 512K Macintosh. Inclusions: Terminal software and interface cable.*

\$99.95 retail

Intermatrix; 5543 Satsuma Ave.; North Hollywood, Calif. 91601; 818-509-0474

### MacOffice

Office management; 10 integrated functions

*System Requirements: 128K or 512K Macintosh.*

\$49 retail

Creighton Development, Inc.; 16 Hughes St., Suite C-100; Irvine, Calif. 92714; 714-472-0488



### **MegaDesk**

Desktop organizer; three integrated functions

*System Requirements: 128K or 512K*

*Macintosh.*

\$125 retail

Megahaus Corporation; 5703 Oberlin Dr.; San Diego, Calif. 92121; 619-450-1230

### **Mighty Mac**

Desktop management

*System Requirements: 128K or 512K*

*Macintosh.*

Mighty Mac is a desk accessory that allows the user to enter events, reminders, appointments, phone-directory information, and notes. It will access items in alphabetical or date/time sequence.

\$59.95 retail

Advanced Logic Systems; 195 E Arques Ave.; Sunnyvale, Calif. 94086; 408-730-0307

### **My Office**

File management

*System Requirements: 128K or 512K*

*Macintosh.*

\$79.95 retail

DataPak Software; 14011 Ventura Blvd.; Sherman Oaks, Calif. 91423; 818-905-6419

### **Pythia-Terminer**

Time management

*System Requirements: 128K or 512K*

*Macintosh.*

\$85 retail

Pythia Ltd; Gustav-Adolf-Str.5; 8000 Muenchen 21; West Germany; 089-583082

### **Quick Set**

Desk management; five integrated functions

*System Requirements: 128K or 512K*

*Macintosh; or Macintosh XL.*

\$99.95 retail

EnterSet, Inc.; 410 Townsend St., Suite 408; San Francisco, Calif. 94107; 415-543-7644

### **TimeBase**

Time management

*System Requirements: 128K or 512K*

*Macintosh. Inclusions: Standard business forms and letters.*

\$149.95 retail

SoftDesign, Inc.; 14145 SW 142 Ave.; Miami, Fla. 33186; 305-253-5521

### **Totalform**

Nappo Computer Service, see page 54

### **Varioform**

Mexoft Belgium, see page 54

### **WindoWare Calendar; Phone book**

Calendar management; phone directory and dialer

*System Requirements: 128K or 512K*

*Macintosh.*

\$49 retail; WindoWare Calendar

\$49 retail; WindoWare Phone Book

\$79 retail; Calendar/Phone Book Combo

Macadam Publishing, Inc.; 4700 SW Macadam Ave.; Portland, Oreg. 97201; 503-241-8060

## **PROGRAMMING**

### **Advanced Development Tool Kit**

Programming utilities

*System Requirements: 128K or 512K*

*Macintosh.*

\$150 retail

SofTech Microsystems, Inc.; 16875 West Bernardo Dr.; San Diego, Calif. 92127; 800-451-8080 or 800-824-7867 in Calif.

### **AELM-51 Assembler/Editor/Loader**

Metaresearch, Inc., see page 56

### **Aztec C68k-c**

Software development

*System Requirements: 128K or 512K Macintosh; or Macintosh XL. Inclusions: Various utilities.*

\$499 retail; Aztec C68k-c

\$299 retail; Aztec C68k-d

\$199 retail; Aztec C68k-p

Manx Software Systems; PO Box 55; Shrewsbury, N.J. 07701; 800-221-0440

### **BI-2**

Control-C Software, Inc., see page 56

### **DeSmet C**

C Ware Corporation, see page 56

### **ExperLisp**

ExperTelligence, Inc., see page 56

### **ExperLogo**

Programming language

*System Requirements: 128K or 512K*

*Macintosh.*

\$149.95 retail

ExperTelligence, Inc.; 559 San Ysidro Rd.; Santa Barbara, Calif. 93108; 805-969-7871

### **Fortran-77 Development System**

Programming utilities

*System Requirements: 128K or 512K*

*Macintosh.*

\$295 retail

SofTech Microsystems, Inc.; 16875 West Bernardo Dr.; San Diego, Calif. 92127; 800-451-8080 or 800-824-7867 in Calif.

### **Hippo-C Levels 1 and 2**

C compiler

*System Requirements: 128K or 512K*

*Macintosh.*

\$149.95 retail; Hippo-C Level 1

\$399.95 retail; Hippo-C Level 2

Hippopotamus Software; 985 University Ave., Suite 12; Los Gatos, Calif. 95030; 408-395-3190

### **LightSource**

Authoring system

*System Requirements: 128K or 512K*

*Macintosh.*

\$134.95 retail; Program diskette

\$19.95 retail; Demonstration diskette

Computer Learning Systems; RFD 8, Box 375; Concord, N.H. 03301; 603-783-4708

### **Linear and Non-linear Programming**

Lionheart Press, Inc., see page 57

### **Logo for the Macintosh**

Programming language

*System Requirements: 128K or 512K*

*Macintosh.*

\$124.99 retail

Microsoft Corp.; 10700 Northup Way, PO Box 97200; Bellevue, Wash. 98009; 206-828-8080



## PROGRAMMING

### MacAdvantage: UCSD Pascal

Software development

*System Requirements: 128K or 512K Macintosh; or Macintosh XL with MacWorks.*

\$295 retail

SofTech Microsystems, Inc.; 16875 West Bernardo Dr.; San Diego, Calif. 92127; 800-451-8080 or 800-824-7867 in Calif.

### MacASM

Software development

*System Requirements: 128K or 512K Macintosh; or Macintosh XL with MacWorks.*

\$125 retail

Mainstay; 28611B Canwood St.; Agoura Hills, Calif. 91301; 818-991-6540

### Mac C and Mac C Toolkit

C compiler; development tools

*System Requirements: 128K or 512K Macintosh.*

\$375 retail; Mac C and Mac C Toolkit with floating point

Consulair Corporation; 140 Campo Dr.; Portola Valley, Calif. 94025; 415-322-2757

### MacFORTH

Programming language

*System Requirements: 128K or 512K Macintosh.*

\$149 retail; MacFORTH Level 1

\$249 retail; MacFORTH Level 2

Creative Solutions, Inc.; 4701 Randolph Rd., Suite 12; Rockville, Md. 20852; 301-984-0262

### MacFORTH Level 3

Developer's Kit

Creative Solutions, Inc., see page 57

### MacFortran

Fortran 77 compiler with debugger

*System Requirements: 128K or 512K Macintosh.*

\$395 retail

Absoft Corp.; 4268 N Woodward; Royal Oak, Mich. 48072; 313-549-7111

### Macintosh Pascal

Programming language

*System Requirements: 128K or 512K Macintosh.*

\$125 retail

Apple Computer, Inc.; 20525 Mariani Ave.; Cupertino, Calif. 95014; 408-973-3317

### MacLanguage Series

TML Systems, see page 57

### MacModula-2

Software development

*System Requirements: 128K or 512K Macintosh.*

\$150 retail

Modula Corporation; 950 N University Ave.; Provo, Utah 84604; 800-545-4842

### MacNosy

Jasik Designs, see page 58

### The Mac's Core

Programming instruction

*System Requirements: 128K Macintosh. Special Requirements: Microsoft BASIC.*

\$69.95 retail; The Mac's Core

\$84.95 retail; The Mac's Core Part II

\$139.95 retail; Both programs

The Professor Corp.; 959 NW 53rd St.; Ft. Lauderdale, Fla. 33309; 305-771-6498 or 800-223-5838

### MasterFORTH

MicroMotion, see page 58

### Megamax C

Software development

*System Requirements: 128K or 512K Macintosh.*

\$299.95 retail

Megamax, Inc.; PO Box 851521; Richardson, Texas 75085; 214-987-4931

### Microsoft BASIC

Programming language

*System Requirements: 128K or 512K Macintosh.*

\$150 retail

Microsoft Corporation; 10700 Northup Way, PO Box 97200; Bellevue, Wash. 98009; 206-828-8080

### Neon

Programming language

*System Requirements: 128K or 512K Macintosh.*

\$150 retail

Kriya Systems, Inc.; 505 N Lake Shore Dr., #5510; Chicago, Ill. 60611; 312-822-0624

### PortaAPL

Portable Software, see page 58

### Rascal

Metaresearch, Inc., see page 60

### RBuilder

Software development

*System Requirements: 128K or 512K Macintosh. Special Requirements: Any compiled language or assembler.*

\$99 retail

Absoft Corp.; 4268 N Woodward; Royal Oak, Mich. 48072; 313-549-7111

### Screen Coordinator

Programmer's screen overlay

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint and a dot-matrix printer.*

\$39.95 retail

Rubicon Publishing; 6300 La Calma Dr., Suite 100; Austin, Texas 78752; 512-454-5004

### Softworks C

Programming; C compiler

*System Requirements: 128K or 512K Macintosh.*

\$395 retail

Softworks Limited; 607 W Wellington; Chicago, Ill. 60657; 312-975-4030

### TMON

TMQ Software, Inc., see page 60

### Turbo Turtle

Programming instruction

*System Requirements: 128K or 512K Macintosh.*

\$59.95 retail

Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01854; 617-937-0200

### UCSD Pascal Development System

Programming Language

*System Requirements: 128K or 512K Macintosh.*

\$195 retail

SofTech Microsystems, Inc.; 16875 West Bernardo Dr.; San Diego, Calif. 92127; 800-451-8080 or 800-824-7867 in Calif.



## SPECIFIC APPLICATIONS

### BASIC Programs for Scientists and Engineers

Footsteps Software, see page 60

### Beamac

Erez Anzel, see page 62

### The BenchTop

MetaResearch, Inc., see page 62

### Crop/Livestock Profit Projector

Agriculture financial analysis

*System Requirements: 128K or 512K Macintosh.*

\$95 retail

Harris Technical Systems; 624 Peach St.; Lincoln, Neb. 68501; 402-476-2811

### CRTplus

Financial-analysis tool

*System Requirements: 128K or 512K Macintosh.*

\$995 retail; CRTplus

\$125 retail; Support fee

Aurora Systems, Inc.; 2423 American Ln.; Madison, Wis. 53704; 608-249-5875

### Da Poma GB

Grade-book management

*System Requirements: 128K or 512K Macintosh.*

\$75 retail; High School/Elementary

\$150 retail; University

Da Poma, Inc.; PO Drawer H; Hondo, Texas 78861; 512-426-5932

### daVinci Building Blocks

Architecture; commercial design

*System Requirements: 128K or 512K Macintosh.*

\$79.95 retail

Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01854; 800-343-1218

### daVinci Series and Commercial Interiors

Architecture; commercial design

*System Requirements: 128K or 512K Macintosh; MacPaint.*

\$49.95 each retail; daVinci Series

\$199.95 retail; Commercial Interiors

Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01853; 800-343-1218

### DesignWorks

Architectural design

*System Requirements: 512K Macintosh.*

Available August, 1985

Soft-Design, Inc.; 211 E Culver Blvd., Suite Q; Playa Del Rey, Calif. 90293; 213-822-6181

### DietMac

Diet and nutritional analysis

\$79 retail

Tess Data Systems, Inc.; 17070 Red Oak Dr., Suite 403-B; Houston, Texas 77090; 713-440-6943

### The DNA Inspector

Molecular biology

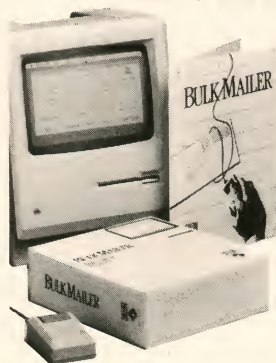
*System Requirements: 128K Macintosh. Special Requirements: Microsoft BASIC.*

\$109 retail

Textco; 27 Gilson Rd.; W Lebanon, N.H. 03784; 603-643-1471

## The most powerful mail list program ever developed!

### BULK MAILER.



BULK MAILER is specially designed for managing large mail lists. It is easy-to-use, fast and totally complete.

This special Macintosh version offers:

- \*Duplication Elimination
- \*Full Zip or Alpha sort
- \*Coding & Date Expiration fields
- \*Large Record Capacity
- \*Multiple Label Formats
- \*Full use of the Mac interface
- \*Plus much, much more.

BULK MAILER MACINTOSH VERSION - \$125.

Available at your dealer or directly from:



Satori Software  
5507 Woodlawn N.  
Seattle, WA 98103

(206) 633-1469  
Visa/MasterCard accepted

Macintosh is a trademark of Apple Computer, Inc.

Circle 40

## MacLink™

...the "intelligent link" between  
your Macintosh and the IBM PC...

MacLink allows you to exchange documents, spreadsheets and files between the Macintosh and the IBM PC. Its unique translators and easy-to-use communications provide a true solution to your data transfer needs.

**Spreadsheets**—complete with formulas, formats, functions and values—are translated and transferred, providing a functional spreadsheet on the target machine.

**Word Processor Documents**—including text, margins, paragraphs and highlighting—are translated and transferred for use in your word processing package.

**Text and Binary Transfers too!**

**Look at the possibilities...**

PC to/from Mac		PC to/from Mac	
Lotus	<--> Multiplan	Wordstar	<--> MacWrite
Multiplan	<--> Multiplan	MultiMate	<--> MacWrite
Lotus	<--> DIF	Text	<--> Text
Multiplan	<--> DIF	Binary	<--> Binary
DIF	<--> Multiplan	DIF	<--> DIF

MacLink is "Mac friendly". Its fully integrated communications and "intelligent" translators work via modems or with an optional Mac to PC cable.

**Only \$125** for the "intelligent link". Includes a complete manual, a diskette for the PC and one for the Mac.

**DataViz, Inc. - 16 Winfield Street - Norwalk, CT 06855**  
**Circle 41 (203) 866-4944**

Trademarks: Lotus, Multiplan, MultiMate, MacWrite, WordStar



## SPECIFIC APPLICATIONS

### Electro Bits

Medina Software, see page 62

### Electronic PAD

Electronic-circuit design

*System Requirements: 128K or 512K*

*Macintosh; or Macintosh XL.*

\$395 retail; 128K

\$595 retail; 512K

Rune Software; 80 Eureka Sq., Suite 214;

Pacifica, Calif. 94044; 415-355-4851

### Engineering Tool Kit

SofTools, see page 64

### Farm Management

Farming, ranching templates

*System Requirements: 128K or 512K*

*Macintosh. Special Requirements: Multiplan or Lotus Jazz.*

Available now for Multiplan

Available for Jazz when Jazz is released

\$95 each retail

Harris Technical Systems; 624 Peach St., Lincoln, Neb. 68501; 402-476-2811

### Farm Management

Hutch Computer Industries, see page 64

### Front Desk

Office management; calendar

*System Requirements: 128K or 512K*

*Macintosh.*

\$149.95 retail

Layered, Inc.; 85 Merrimac St.; Boston, Mass. 02114; 617-423-9041

### HealthCare Management

Office management for dentists, opticians, doctors, and chiropractors

*System Requirements: 128K or 512K*

*Macintosh.*

HealthCare Communications, Inc.; 245 S 84th St.; Lincoln, Neb. 68510; 402-489-0391

### HumanForms

Anatomical drawings

*System Requirements: 128K or 512K*

*Macintosh. Special Requirements: MacPaint.*

\$80 retail

The Reference Corporation; 1133 Broadway, Room 611; New York, N.Y. 10010; 212-645-1200

### Knowledgedisk

Expertech, see page 64

### Legal Billing

### Inventory Manager

### Bulk Mailer

Management programs

Available Spring, 1985

\$595 retail; Legal Billing

\$350 retail; Inventory Manager

\$125 retail; Bulk Mailer

Satori Software; 5507 Woodlawn N; Seattle, Wash. 98103; 206-633-1469

### LogarithMac

Heizer Software, see page 66

### MacAtlas, Volume 1

Micro:Maps, see page 66

### Mac-Barcode; Scanstar-Mac

Bar-code generator and scanner

*System Requirements: 128K or 512K*

*Macintosh. Special Requirements: Apple ImageWriter printer.*

\$395 retail; Mac-Barcode

\$600 retail; SCANSTAR-Mac with light pen  
Computer Identics Corp.; 5 Shawmut Rd.; Canton, Mass. 02021; 800-622-2633

### Mac Bar Code Printing Program

TPS Electronics, see page 66

### MacCAD

CompServCo, see page 67

### MacChip

Electronic schematics

*System Requirements: 128K or 512K*

*Macintosh.*

\$39.95 retail

Princeton Research Software; PO Box 2398; Princeton, N.J. 08540

### MacComp

Infotek, Inc., see page 67

### MacControl

Small Business Computers of New England, Inc., see page 67

### MacDraw

Designing and graphics

*System Requirements: 128K or 512K*

*Macintosh.*

\$125 retail

Apple Computer, Inc.; 20525 Mariani Ave.; Cupertino, Calif. 95014; 408-973-3317

### MacEngineer

Chemical, civil, electrical, mechanical engineering

*System Requirements: 128K or 512K*

*Macintosh.*

\$99.95 each retail

Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800 or 914-964-5200

### MacFats

Film, advertising, television

*System Requirements: 512K Macintosh.*

Available July, 1985

\$495 retail; Scriptwriter

\$495 retail; Production Planner

\$995 retail; Budget Planner

American Intellware Corporation; 330 Washington St., Suite 400; Marina del Rey, Calif. 90292; 213-827-0803

### MacFats Storyboarder

Creative planning; film and television

*System Requirements: 512K Macintosh.*

\$995 retail

American Intellware Corporation; 330

Washington St., Suite 400; Marina Del Rey, Calif. 90292; 213-827-0803

### MacFits

Regression analysis

*System Requirements: 128K or 512K*

*Macintosh. Special Requirements: Microsoft BASIC 1.0 or 2.0.*

\$39.95 retail

Tesseract Educational Systems; 4010-I Hwy. 6 South, Suite 187; Houston, Texas 77082; 713-495-2292

### MacGENE

Genealogy

*System Requirements: 128K or 512K*

*Macintosh.*

\$125 retail

Applied Ideas, Inc.; 300 Goodhope Ave.; San Pedro, Calif. 90732



*Many companies have free product/service information available by mail.*

**Reader Service Card**

*To receive further information, circle the numbers on the card that correspond to the numbers at the bottom of the advertisements for which you want more information. Then print or type your name and address on the attached card, detach, and mail. We will forward your requests to the appropriate companies.*

The  
**Macintosh**  
Buyer's Guide

Name _____	1	2	3	4	5	6	7	8	9	10
Company _____ Title _____	11	12	13	14	15	16	17	18	19	20
Address _____	21	22	23	24	25	26	27	28	29	30
City _____ State _____ Zip _____	31	32	33	34	35	36	37	38	39	40
Phone No. _____	41	42	43	44	45	46	47	48	49	50
<input type="checkbox"/> Please enter my subscription for four quarterly issues of The Macintosh Buyer's Guide at the special introductory rate of \$10 (a savings of 50% off the cover price of \$5.) For Canadian orders please remit \$15. All others \$40.	51	52	53	54	55	56	57	58	59	60
	61	62	63	64	65	66	67	68	69	70
Charge to my (circle one)      VISA      MC      AMEX	71	72	73	74	75	76	77	78	79	80
Card No. _____ Exp. Date _____	81	82	83	84	85	86	87	88	89	90
Signature _____	91	92	93	94	95	96	97	98	99	100



The  
Macintosh  
Buyer's  
Guide

Staple or Tape  
and Mail

FOLD HERE

PLACE  
STAMP  
HERE

**RPC Redgate Publishing  
Company**

3381 Ocean Drive  
Vero Beach, Florida 32963  
Attn: Circulation Dept.



**MacManage+**

MacManage, see page 70

**MacMOS**

Princeton Research Software, see page 70

**MacProject**

Project management

*System Requirements: 128K or 512K*

*Macintosh.*

\$125 retail

Apple Computer, Inc.; 20525 Mariani Ave.;  
Cupertino, Calif. 95014; 408-973-3317

**MacPublisher**

Camera-ready page layouts

*System Requirements: 128K or 512K*

*Macintosh. Special Requirements: Imagewriter or LaserWriter printer.*

\$99.95 retail

Boston Software Publishers, Inc.; 19 Ledge  
Hill Rd.; Boston, Mass. 02132; 617-327-5775

**Macquisition**

Small Business Computers of New England,  
Inc., see page 70

**MacScience**

Physics and chemistry

*System Requirements: 128K or 512K*

*Macintosh.*

\$99.95 each retail

Superex Business Software; 151 Ludlow St.;  
Yonkers, N.Y. 10705; 800-862-8800 or  
914-964-5200

**MacStat**

Statistical analysis

*System Requirements: 128K or 512K*

*Macintosh.*

\$99.95 retail

Superex Business Software; 151 Ludlow St.;  
Yonkers, N.Y. 10705; 800-862-8800 or  
914-964-5200

**Mac.Stat.Pak**

Scientific MicroPrograms, see page 71

**Mac the Logician**

Logical/mathematical fonts, symbols

*System Requirements: 128K or 512K*

*Macintosh or Macintosh XL under Mac-  
Works. Special Requirements: Font Mover  
utility.*

\$50 retail

Megatherium Enterprises; PO Box 7000-417;  
Redondo Beach, Calif. 90277; 213-545-5913

**Marshall Flowcharting Templates**

Marshall Consulting Services, see pages 00

**MathPak**

Equation, data analysis

*System Requirements: 128K or 512K*

*Macintosh.*

\$75 retail

PSI/Systems Division; Research Park; PO Box  
3100; Andover, Mass. 01810; 617-475-9030

**McCAD**

Advanced Engineering Solutions, Inc., see  
page 72

**McCAD**

VAMP, Inc., see page 71

**Minicad Auto-Dimensioner and  
Formatter**

Diehl Graphsoft, Inc., see page 72

**Minicad 3D-Designer**

Diehl Graphsoft, Inc., see page 72

**Mortgage Switch Calculator**

Mortgage-rate template

*System Requirements: 128K or 512K*

*Macintosh. Special Requirements: Microsoft  
Multiplan.*

\$65 retail

AIS Microsystems; 1007 Massachusetts Ave.  
NE; Washington, DC 20002; 202-547-9113

**Number Cruncher Stat Systems**

Number Cruncher Statistical Systems, see  
page 74

**NWA Quality Analyst**

Northwest Analytical, Inc., see page 74

**NWA StatPak**

Statistical analysis

*System Requirements: 128K or 512K*

*Macintosh. Special Requirements: Microsoft  
BASIC.*

\$395 retail

Northwest Analytical, Inc.; 520 NW Davis  
St.; Portland, Oreg. 97209; 503-224-7727

**OR-D Dental Management System**

DVI-OR USA, Inc., see page 74

**OR-D Medical Management  
System**

DVI-OR USA, Inc., see page 76

**Pert & Critical Path Techniques**

Lionheart Press, Inc., see page 76

**Professional Bibliographic  
System; Biblio-Link**

Data base; bibliographic

*System Requirements: 128K or 512K*

*Macintosh.*

Available now

\$395 retail; Professional Bibliographic System

Available Fall, 1985

\$195 retail; Biblio-Link

Personal Bibliographic Software, Inc.; PO  
Box 4250; Ann Arbor, Mich. 48106;  
313-996-1580

**Profit Tool**

Prophecy Development Corp., see page 76

**ReadySetGo**

Page processing; page layout

*System Requirements: 512K Macintosh. Spe-*

*cial Requirements: Imagewriter or Laser-*

*Writer printer.*

\$125 retail

Manhattan Graphics; 163 Varick St.; New

York, N.Y. 10013; 212-989-6442

**Real Estate**

Income, property analysis

*System Requirements: 128K or 512K*

*Macintosh. Special Requirements: Multiplan.*

\$295 retail; Tax Shelter Syndication Analysis

\$195 retail; On Schedule

\$150 retail; Real Estate Overlays

\$100 retail; Each for other programs

RealData, Inc.; PO Box 691; Southport,

Conn. 06490; 203-255-2732 or 203-838-2670

**Real Estate Investor II**

Rems Software, Inc., see page 77

**The Realtor**

Real estate management

*System Requirements: 128K or 512K*

*Macintosh.*

Available fourth quarter, 1985; \$150 retail

P Cubed, Inc.; 949 Parklane Ctr.; Wichita,  
Kan. 67218; 316-686-2000



## SPECIFIC APPLICATIONS

### Sketch-to-Scale

Williams AG Products, see page 77

### StatFast

StatSoft, see page 77

### Statistical Analysis

Lionheart Press, Inc., see page 78

### StatView

Brainpower, Inc., see page 78

### StatWorks

Statistical analysis

*System Requirements: 128K or 512K*

*Macintosh.*

\$99.95 retail

Heyden & Son, Inc.; 247 S 41st St.; Philadelphia, Pa. 19104; 215-382-6673

### Stylo-Castoff, Stylo-Estimate

Stylo Software, Inc., see page 78

### Superex Software

Five specialized products

*System Requirements: 128K or 512K*

*Macintosh.*

\$99.95 retail; EstiMac

\$800 retail; MacWholesaler

\$150 retail; SalesMac

\$450 retail; MacStore

\$300 retail; MacFee

Superex Business Software; 151 Ludlow St.;

Yonkers, N.Y. 10705; 800-862-8800 or

914-964-5200

### Tech

Linguists' Software, see page 80

### TechFonts

Technical writing, drawing

*System Requirements: 128K or 512K*

*Macintosh.*

\$49.95 retail; SciFonts

\$99 retail; ElectroFonts with SciFonts

Paragon Courseware; 4954 Sun Valley Rd.;

Del Mar, Calif. 92014; 619-481-1477

### TessSystem One

Medical-office management

*System Requirements: 512K Macintosh; one extra disk; 10- to 40- megabyte hard disk; printer; data backup device.*

\$1,995 retail

Tess Data Systems, Inc.; 17070 Red Oak Dr., Suite 403-B; Houston, Texas 77090;

713-440-6943

### TK!Solver

Mathematical equation-solving tool

*System Requirements: 128K or 512K*

*Macintosh.*

\$249 retail; TK!Solver

\$59 retail; TK!SolverPacks

Software Arts; 27 Mica Ln.; Wellesley, Mass.

02181; 617-431-6600

### Ultra Fonts Technical and Business Set

21st Century Software, see page 80

## SPREADSHEET

### ClickOn Worksheet

Spreadsheet, graphics accessory

*System Requirements: 128K or 512K*

*Macintosh.*

\$79.95 retail

T/Maker Company; 2115 Landings Dr.; Mountain View, Calif. 94043; 415-962-0195

### Crunch

Paladin Software Corporation, see page 80

### Microsoft Multiplan

Spreadsheet; financial analysis

*System Requirements: 128K or 512K*

*Macintosh.*

\$195 retail

Microsoft Corporation; 10700 Northup Way,

PO Box 97200; Bellevue, Wash. 98009;

206-828-8080

**See also Integrated Software section, page 106**

## TRAINING

### Basic Telecommunications

Text and video training in communications

*System Requirements: 128K or 512K*

*Macintosh.*

\$350 retail

The Information Factory; 208 Charter Oaks

Cir.; Los Gatos, Calif. 95030; 408-374-1235

### Business Training

Accounting; economics training

*System Requirements: 128K or 512K*

*Macintosh.*

\$39.95 retail; Review Questions On

Accounting

\$59.95 retail; Starting a New Business

Queue, Inc.; 798 North Ave.; Bridgeport, Conn. 06606; 203-335-0906 or 800-232-2224

### Entrepreneur

Microsoft Corporation, see page 82

### Learning Microsoft Multiplan and Microsoft Chart

Microsoft Corporation, see page 82

### MacCoach

Tutorial for Macintosh computer

*System Requirements: 128K or 512K*

*Macintosh.*

\$75 retail

American Training International; 12638 Bea-

trice St.; Los Angeles, Calif. 90066;

800-421-4827 or 213-823-1129

### MacType

Typing instruction

*System Requirements: 128K or 512K*

*Macintosh.*

\$49.95 retail

Palantir Software; 12777 Jones Rd., Suite 100;

Houston, Texas 77070; 800-368-3797

### Teach Yourself Multiplan

Tutorial for Multiplan

*System Requirements: 128K or 512K*

*Macintosh.*

\$75 retail

American Training International; 12638 Bea-

trice St.; Los Angeles, Calif. 90066;

800-421-4827 or 213-823-1129

### Typing Intrigue

Typing instruction

*System Requirements: 128K or 512K*

*Macintosh.*

\$49.95 retail

Forethought, Inc.; 1973 Landings Dr.; Moun-

tain View, Calif. 94043; 415-961-4720 or

800-622-9273

### Typing Made Easy

QED Information Sciences, Inc., see page 82



## UTILITIES

### 1stMerge

Data entry; mail merge

*System Requirements: 128K or 512K Macintosh.*

\$95 retail

DeskTop Software Corporation; 244 Wall St.; Princeton, N.J. 08540; 609-924-7111

### Accessory Pak #1

Silicon Beach Software, see page 84

### Art Grabber with Body Shop

Hayden Software Company, Inc., see page 84

### ColorPrint

Color printing utility for Imagewriter

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint.*

\$49.95 retail

Esoft Enterprises; PO Box 179; Owasso, Okla. 74055; 918-272-7616

### COPY II MAC

Disk-backup utility

*System Requirements: 128K or 512K Macintosh. Inclusions: MacTools.*

\$39.95 retail

Central Point Software, Inc.; 9700 SW Capitol Hwy., Suite 100; Portland, Ore. 97219; 503-244-5782

### CP/M For The Macintosh

Operating system

*System Requirements: 128K or 512K Macintosh. Inclusions: C compiler, communications transfer program, and a macro assembler.*

\$395 retail

I.Q. Software, Inc.; 2229 E Loop 820 North; Ft. Worth, Texas 76118; 817-589-2000

### Epstart Version 2.0

SoftStyle, Inc., see page 84

### Hippo-Lock

File encryption

*System Requirements: 128K or 512K Macintosh.*

\$119.95 retail

Hippopotamus Software, Inc.; 985 University Ave., Suite 12; Los Gatos, Calif. 95030; 408-395-3190

### HP Laser Program

Printer utility

*System Requirements: 128K or 512K Macintosh.*

\$39.95 retail

New Image Technology, Inc.; 10300 Greenbelt Rd., #104; Seabrook, Md. 20706; 301-464-3100

### I.E.S. DiskSurgeon

Intelligent Engineered Systems, see page 86

### Island CP/M

Island Software, Inc., see page 86

### LetterWare; MatrixWare

Intrepid Technologies, see page 86

### Lock-It

File-password utility

*System Requirements: 128K or 512K Macintosh; Macintosh XL with MacWorks.*

\$29 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

### MacBackup

Disk-backup utility

*System Requirements: 128K or 512K Macintosh.*

\$69.95 retail

Practical Computer Applications, Inc.; 1305 Jefferson Hwy.; Champlin, Minn. 55316; 612-427-4789

### Mac Daisywheel Connection

#### Mac Epson Connection

Printer driver and cable

*System Requirements: 128K or 512K Macintosh; Macintosh XL with MacWorks. Special Requirements: Daisy-wheel or letter-quality printer, TTY-compatible typewriters for Mac Daisywheel Connection; Epson dot-matrix printer or compatible for Mac Epson Connection. Inclusions: Program disk; backup disk; cable.*

\$99 retail; Mac Daisywheel Connection

\$89 retail; Mac Epson Connection

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

### MacKeymeleon

Avenue Software, Inc., see page 86

## BUSINESS SCIENCE EDUCATION

A complete  
statistical  
package  
for only:

# \$99

## STATFAST

*A Powerful Tool for  
Data Analysis and Forecasting*

- Faster than many mainframes (200 times faster than programs that require BASIC)!
- Can handle large data files
- Easy to use, no commands to memorize (menu-driven)
- Descriptive Statistics, t-tests (independent and dependent samples) ANOVA (one-, two-, three-way), Correlations, Multiple Regression, Cross-Tabulation, Significance Tests, Nonparametric Statistics, and more
- User defined (multiple) conditional selection of sub-sets of cases, various ways of treating missing data
- Flexible Data Editor, easy entering/editing of data, complex (conditional) transformations of variables, and more
- Can also access files created by spreadsheets and data bases
- Superb graphics (Bar charts, Scatterplots), clear comprehensive output, can be "pasted" into MacWrite documents
- Requires 128k Macintosh® with one disk drive

*To order send check  
or money order for \$99  
(includes shipping and handling) to:*

### STATSOFT

2831 East 10th Street, Suite 3  
Tulsa, OK 74104. (918) 583-4149

Macintosh is a registered trademark of  
Apple Computer, Inc.

**Circle 42 on Reader Service Card**



## UTILITIES

### MacMate!

RAM disk utility

*System Requirements: 512K Macintosh.*

\$49.95 retail

SMB Development Associates; PO Box 3082; Chatsworth, Calif. 91311; 818-341-2523

### Mac Memory Disk

RAM disk utility

*System Requirements: 128K or 512K Macintosh; or Macintosh XL.*

\$29 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

### MacPlot

Plotter utility

*System Requirements: 128K or 512K Macintosh. Special Requirements: Plotter.*

\$130 retail

Microspot; 9 High St.; Lenham, Maidstone, Kent, ME17 2QD, England; 0622-858753

### MacPlots II

Plotter utility

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacDraw and color plotter.*

\$195 retail

Computer Shoppe; 615 Guilford-Jamestown Rd. @ I-40; Greensboro, N.C. 27409; 919-299-4843

### MacScreen Gems

American Softwerkz, see page 87

### MacTest

Diagnostics

*System Requirements: 128K or 512K Macintosh.*

\$39 retail

Infotek, Inc.; 56 Camille; E Patchogue, N.Y. 11772; 516-289-9682

### Mac Tracks

Command-key utility

*System Requirements: 128K or 512K Macintosh; Macintosh XL with MacWorks.*

\$29 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

### MacUtil

Disk-backup utility

*System Requirements: 128K or 512K*

*Macintosh.*

Release Date: June, 1985; \$49 retail

Serious Personal Computing; PO Box 7059; South Nashua, N.H. 03060; 603-888-1376

### Mac Zap

Disk-backup utility

*System Requirements: 128K or 512K Macintosh.*

\$60 retail

Micro Analyst, Inc.; 5802 B Gloucester; Austin, Texas 78723; 512-926-4527

### Magic Font Editor

New Image Technology, Inc., see page 87

### P/C Privacy

File encryption

*System Requirements: 128K or 512K*

*Macintosh.*

\$95 retail

MCTel, Inc.; Three Bala Plaza East, Suite 505; Bala Cynwyd, Pa. 19004; 215-668-0983

### Plot-It

Plotter utility

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint and a supported plotter.*

\$95 retail

Mesa Graphics; PO Box 506; Los Alamos, N.M. 87544; 505-672-1998

### Plots II

Computer Shoppe, see page 87

### Print A File II

Serial printer utility

*System Requirements: 128K or 512K Macintosh. Inclusions: Optional 10-point font.*

\$19.95 retail

CAT Systems; 21115 Devonshire St.; Chatsworth, Calif. 91311; 805-251-7806

### Printer Interface

Serial printer interface

*System Requirements: 128K or 512K*

*Macintosh.*

\$59.95 retail

\$25 retail; optional cable

DataPak Software; 14011 Ventura Blvd.; Sherman Oaks, Calif. 91423; 818-905-6419

### Printer Interfaces

Softstyle, Inc., see page 87

### The Print-Link

Printer driver

*System Requirements: 128K or 512K Macintosh. Inclusions: Cable and software.*

\$84.95 retail (U.S.)

GDT Softworks, Inc.; 2800 Douglas Rd., Suite D; Burnaby, B.C., Canada Y5C 5B7; 604-291-9121

### ProCopy/Edit

Disk-backup utility

*System Requirements: 128K or 512K Macintosh; or Macintosh XL.*

\$69.95 retail

Protekt-It Software, Inc.; PO Box 165222; Miami, Fla. 33116; 305-554-9595

### ProPrint

Serial printer utility

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacWrite software; letter-quality printer.*

\$74 retail; ProPrint

\$99 retail; ProPrint with shielded cable

\$225 retail; ProPrint with A/B switch and two shielded cables

Creighton Development, Inc.; 16 Hughes, Suite C-100; Irvine, Calif. 92714; 714-472-0488

### Quick & Dirty Utilities

Dreams of the Phoenix, Inc., see page 88

### QuickDisk

Symmetry Corporation, see page 88

### QuickPaint

EnterSet, Inc., see page 88

### Spinwriter Accessory Kit

Spinwriter printer interface

*System Requirements: 128K or 512K Macintosh. Special Requirements: Spinwriter printer. Inclusions: Cable, diskette, and backup diskette.*

\$100 retail

NEC Information Systems, Inc.; 1414 Massachusetts Ave.; Boxborough, Mass. 01719; 617-264-8000



### Spreadsheet Link

Data-gathering utility

*System Requirements: 128K or 512K Macintosh. Special Requirements: Dow Jones Straight Talk, Multiplan, and a modem.*  
\$99 retail

Dow Jones & Company, Inc.; PO Box 300;  
Princeton, N.J. 08540; 800-222-0081 dealers  
or 800-257-5114 customers

### StyloPrint-Formatter

### StyloType-Formatter

Stylo Software, Inc., see page 90

### TexSys

ToolMasters, Ltd., see page 90

### TurboCharger

Nevins Microsystems, Inc., see page 90

## WORD PROCESSING

### ClickArt Letters

Large letters and numbers

*System Requirements: 128K or 512K Macintosh.*  
\$49.95 retail

T/Maker Company; 2115 Landings Dr.; Mountain View, Calif. 94043; 415-962-0195

### DocuMentor

Writing; document processing

*System Requirements: 128K or 512K Macintosh.*  
\$249 retail

B/T Computing Corporation; PO Box 1465;  
Euless, Texas 76039; 817-267-1415

### Fluent Fonts

Word-processing and graphics fonts

*System Requirements: 128K or 512K Macintosh.*  
\$49.95 retail

Casady Company; PO Box 223779; Carmel,  
Calif. 93922; 408-646-4660

### FONtastic

Altys Corporation, see page 92

### Fontastics I & II

Devonian International Software Company,  
see page 92

### Foreign-Language Fonts

Seven different fonts

*System Requirements: 128K or 512K Macintosh.*

Retail Prices:

\$199.95 MacGreek, Hebrew & Phonetics

\$50 MacGreek Text Critic (each font sold  
separately as a supplement to MacGreek)

\$119.95 MacGreek+, MacPhonetics, MacKana  
& Basic Japanese Kanji, MacKanji, Mac-  
Cyrillic

\$99.95 SuperGreek, SuperGreek-G, Super-

Hebrew, SuperHebrew-I, MacKorean

\$49.95 SuperFrench-German

Linguists' Software; PO Box 231; 88 Pine  
Ave.; Mount Hermon, Calif. 95041;

408-335-2577

### GriffinText

Metaresearch, Inc., see page 92

### Hayden:Speller

Spelling checker

*System Requirements: 128K or 512K Macintosh.*

\$79.95 retail

Hayden Software Company, Inc.; 600 Suffolk  
St.; Lowell, Mass. 01854; 800-343-1218

### HebreWriter/Graphics

Hebrew fonts

*System Requirements: 128K or 512K Macintosh. Inclusions: Transliteration guide, map of Israel, Physician's Prayer, graphics.*

\$39.95 retail

Certificate Plus Company; 580 Fifth Ave.,  
10th Floor; New York, N.Y. 10036;  
212-227-3331

### Letter Helper

C-Band DBS/Encycloware, see page 93

### Maccessories Professional Type Fonts for Text

### Maccessories Professional Type Fonts for Headlines

Text and headline fonts

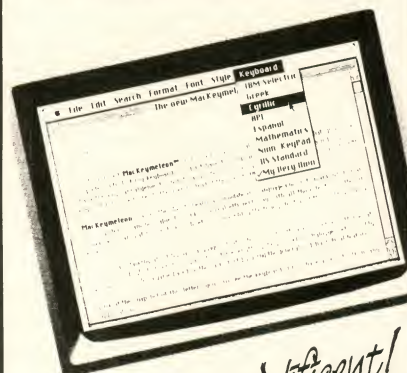
*System Requirements: 128K or 512K Macintosh.*

\$49.95 retail; Maccessories Type Fonts For  
Text

\$69.95 retail; Maccessories Type Fonts For  
Headlines

Kensington Microware, Ltd.; 251 Park Ave. S;  
New York, N.Y. 10010; 212-475-5200

## THE NEW MacKEYMELEON KEYBOARD CUSTOMIZER



*Simply MacNificent!*

The MacKeymeleon™ Keyboard Customizer has arrived! The state of the art *A la Mac* software answer to Macintosh™ users who have their own ideas on how their keyboards should function.

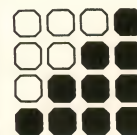
For instance, the MacKeymeleon can:

- reassign any character key, define any number of dead keys, and make any superimposed two character key combinations possible;
- beside the design application, you get a desk accessory which allows you to switch to any keyboard when required;
- transform your keyboard into that friendly old typewriter you once mastered;
- let you match IBM, WANG, XEROX and other keyboards by major manufacturers;
- it supports any international keyboard configuration and the numeric keypad;
- let you convert your normal keyboard into a numeric keypad!
- APL, Greek, Mathematics character fonts... much more enjoyable!

**Only \$39.95 US**

MacKeymeleon is available now!

To order yours, contact:



**AVENUE**  
Software

C.P. 2085, Terminus (Québec)  
Canada G1K 7M9  
Tel. (418) 641-0441

We accept VISA & MASTER CARD.  
For shipping add \$3.50  
WE WELCOME DEALER INQUIRIES.



## WORD PROCESSING

### MacGAS

Glossary and spelling checker

*System Requirements: 512K Macintosh; two disk drives; or Macintosh XL.*

Available by July, 1985

Applications Unlimited; 18234 E Nassau; Aurora, Colo. 80013; 303-699-0441.

### MacNotes

Form letters on disk

*System Requirements: 128K or 512K*

*Macintosh.*

\$89.95 retail

Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800

### MacSpell+

Spelling checker and thesaurus

*System Requirements: 128K or 512K*

*Macintosh.*

\$99 retail

Creighton Development, Inc.; 16 Hughes St., Suite C-100; Irvine, Calif. 92714; 714-472-0488

### Mac Spell Right

Spelling checker

*System Requirements: 128K or 512K Macintosh; Macintosh XL with MacWorks. Special Requirements: Disk-based MacWrite.*

\$89 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

### Mac The Knife/Volume Two: Fonts

Fonts; type faces

*System Requirements: 128K or 512K*

*Macintosh.*

\$49 retail

Miles Computing, Inc.; 21018 Osborne St., Bldg. 5; Canoga Park, Calif. 91304; 818-994-7901

### Mac the Linguist: Phonetic Fonts for the Macintosh

Transcription software; fonts

*System Requirements: 128K or 512K*

*Macintosh.*

\$50 retail

Megatherium Enterprises; PO Box 7000-417; Redondo Beach, Calif. 90277; 213-545-5913

### MegaMerge

Mail merging

*System Requirements: 128K or 512K Macintosh.*

\$125 retail

Megahaus Corporation; 5703 Oberlin Dr.; San Diego, Calif. 92121; 619-450-1230

### Microsoft Word

Writing; word processing

*System Requirements: 128K or 512K*

*Macintosh.*

\$195 retail

Microsoft Corporation; 10700 Northup Way, PO Box 97200; Bellevue, Wash. 98009; 206-828-8080

### Mouse Write

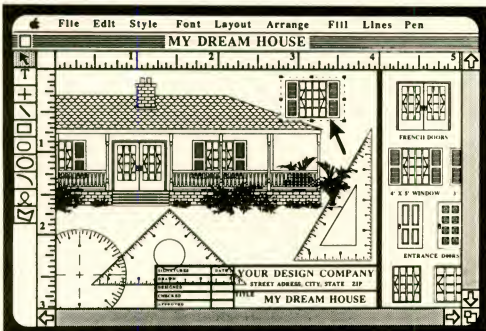
Bernard Marks and Associates, see page 93

### PreWriter

Mindwork Software Publishing, Inc., see page 93

Draft with ease.  
Draft with...

## MacCAD



MacCAD™ is a software template used with Apple's™ MacDraw™ to produce professional quality Engineering Drawings. Each package includes a MacDrafter Toolkit™ (including drafting sheets w/ title blocks) and an extensive set of drafting symbols drawn to scale in several different scales. MacCAD can be used with any printer or plotter driver compatible with MacDraw. There are twelve packages to choose from.

**CompServCo**  
800 Freedom Ln., Slidell, La. 70458 (504) 649-0484

1. THE HOME DESIGNER  
2. ARCHITECTURAL DESIGN  
3. FLOW CHARTS AND LOGIC  
4. MECHANICAL DESIGN  
5. PRINTED CIRCUIT DESIGN  
6. ELECTRIC AND ELECTRONIC

1. THE MACDRAFTER™ TOOLKIT  
2. COMMERCIAL FLOOR PLAN LAYOUT  
3. SINGLE LINE ORTHOGRAPHIC PIPING  
4. TWO LINE ORTHOGRAPHIC PIPING  
5. SINGLE LINE ISOMETRIC PIPING  
6. RULED ISOMETRIC W/ OVALS

MacCAD, MacDraw, MacDrafter, CompServCo & the CompServCo Logo are trademarks licensed to CompServCo. Apple & MacDraw are trademarks licensed to Apple Computer, Inc.

Circle 45 on Reader Service Card

## THE HIPPO KNOWS



QUICK: "What's the distance between Dallas and Tokyo?"

With the help of the Hippo, the answer to this question and thousands of others are at your fingertips within seconds.

Business. Science. Health. History. Telephone information. Trivia. And then some. Draw on a vast array of preprogrammed data—or add information of your own.

You ask. It answers. In English. No computerese.

Interest calculations, U.S. and International area codes and currency exchanges, time zone differences, metric conversions, capital cities, populations, latitude and longitude, foreign word translations, caloric counts, toll-free 800 numbers, astronomical information—and so much more.

Put the Hippo at your side.

**\$34.95**

**HIPPOTAMUS**  
SOFTWARE, INC.

985 University Ave., Suite 12, Los Gatos, CA 95030  
408/395-3190 ■ Telex: 172211 HQSUVL

See your local dealer,

or contact Hippopotamus. VISA and Mastercard accepted. California residents add local sales tax. Please include \$3.00 for postage and handling. Allow 1-2 weeks for delivery. Macintosh is a trademark of Apple Computer, Inc. Hippo Computer Almanac is a trademark of Hippopotamus Software, Inc. Price, availability and specifications subject to change without notice.

Circle 44 on Reader Service Card



## QuickWord

EnterSet, Inc., see page 93

## RGS Wright+

Rio Grande Software, Inc., see page 94

## The Right Word

Assimilation, Inc., see page 94

## SMK GreekKeys

Foreign-language fonts

*System Requirements: 128K or 512K*

*Macintosh.*

\$25 retail

SMK; 5760 S Blackstone Ave.; Chicago, Ill. 60637; 312-947-9157

## Stationery Starter Set, Resumes Business Forms Set II

Mac Master Corporation, see page 94

## Superfonts

MacWrite fonts

*System Requirements: 128K or 512K Macintosh. Special Requirements: MacPaint and MacWrite.*

\$29.95 retail

Software Apple-cations; 11510 Alejandro; Boise, Idaho 83709; 208-322-8910

## ThinkTank 128

Outline processor; word processing

*System Requirements: 128K or 512K*

*Macintosh.*

\$145 retail

Living Videotext, Inc.; 2432 Charleston Rd.; Mountain View, Calif. 94043; 415-964-6300

## ThinkTank 512

Outline processor; word processing; graphics

*System Requirements: 512K Macintosh; two disk drives.*

\$245 retail; ThinkTank 512

\$100 retail; Upgrade from ThinkTank 128

Living Videotext; 2432 Charleston Rd.; Mountain View, Calif. 94043; 415-964-6300

## UltraFonts

MacWrite fonts

*System Requirements: 128K or 512K*

*Macintosh.*

\$29.95 retail

21st Century Software; 2306 Cotner Ave.; Los Angeles, Calif. 90064; 213-829-4436

## Variomix, Variotrans, Variotext

Mexoft Belgium, see page 95

## EDUCATION

### ChipWits

Programming instruction

*System Requirements: 128K or 512K Macintosh; or Macintosh XL.*

\$49.95 retail

BrainPower, Inc.; 24009 Ventura Blvd.; Calabasas, Calif. 91302; 818-884-6911

### Instructional Software

Language, math, social studies, and more; 30+ programs.

*System Requirements: 128K or 512K*

*Macintosh.*

\$34.95 to \$149.95 each

Queue, Inc.; 798 North Ave.; Bridgeport, Conn. 06606; 203-335-0906 or 800-232-2224

### The Investor's Challenge

Blue Chip Software, Inc., see page 95

### Learn About the Solar System and Halley's Comet

Astronomy; math; science

*System Requirements: 128K or 512K*

*Macintosh.*

\$39.95 retail

Millett Software; 146 West 255 S; Orem, Utah 84058; 801-224-6841

### MacAw Coloring Book and Software Figures

Visual art for children

*System Requirements: 128K or 512K*

*Macintosh.*

\$59.95 retail

Azilian Systems; 24 Redfield Cir.; Derry, N.H. 03038; 603-434-2449

### MacEdge II

Think Educational Software, see page 96

### The Master

BASIC programming instruction

*System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft BASIC.*

\$99.95 retail

Orion Training Systems; PO Box 94; Daltown, Pa. 17313; 717-757-7721

### MasterType

Typing tutorial

*System Requirements: 128K or 512K*

*Macintosh.*

\$49.95 retail

Scarborough Systems, Inc.; 55 South Broadway; Tarrytown, N.Y. 10591; 914-332-4545

### MathFlash

Math flash-card drills

*System Requirements: 128K or 512K*

*Macintosh.*

\$49.95 retail

Palantir Software; 12777 Jones Rd., Suite 100; Houston, Texas 77070; 800-368-3797

### SAT, GRE, CBA

Hayden Software Company, Inc., see page 96

### The Science Encyclopedia

Scientific reference

*System Requirements: 128K or 512K*

*Macintosh.*

\$39.95 retail (starter)

MicroTeacher, Inc.; 12760 High Bluff Dr., Suite 210; San Diego, Calif. 92130; 619-481-4106

### States and Capitals

Future Novelties, Inc., see page 96

### Think Fast

BrainPower, Inc., see page 97

### Typing Tutor III

Typing instruction

*System Requirements: 128K or 512K*

*Macintosh.*

\$59.95 retail

Simon & Schuster Electronic Publishing Group; 1230 Ave. of the Americas; New York City, N.Y. 10020; 212-245-6400

### Writing Skills

Writing tutorial

*System Requirements: 128K or 512K*

*Macintosh.*

\$39.95 each volume.

EduWare, Inc.; 185 Berry St.; San Francisco, Calif. 94107; 415-546-1937



## GAMES/ENTERTAINMENT

### Airborne!

War game

*System Requirements: 128K or 512K*

*Macintosh.*

\$34.95 retail

Silicon Beach Software; PO Box 261430; San Diego, Calif. 92126; 619-695-6956

### Ann Arbor Games

*System Requirements: 128K or 512K*

*Macintosh.*

\$49.95 retail; Lunar Explorer

\$39.95 retail; Grid Wars

Ann Arbor Softworks, Inc.; 308½ S State St.; Ann Arbor, Mich. 48104; 313-996-3838

### Blue Chip Games

Financial simulation

*System Requirements: 128K or 512K*

*Macintosh.*

\$59.95 each; Millionaire, Tycoon, Baron

Blue Chip Software; 6740 Eton Ave.; Canoga Park, Calif. 91303; 818-346-0730

### CBS Games

Mystery adventures.

*System Requirements: 128K or 512K*

*Macintosh.*

\$44.95 retail; Mystery Master: Murder By The Dozen

Available third quarter, 1985; \$44.95 retail;

Mystery Master: Felony!

CBS Software; One Fawcett Pl.; Greenwich, Conn. 06836; 203-622-2525

### Championship Star League

Baseball

Sports game

*System Requirements: 128K or 512K*

*Macintosh.*

\$39.95 retail

Gamestar, Inc.; 1302 State St.; Santa Barbara, Calif. 93101; 805-963-3487

### DataPak Games

Card games

*System Requirements: 128K or 512K*

*Macintosh.*

\$39.95 retail; Mac-Jack II

\$39.95 retail; Mac Poker

DataPak Software, Inc.; 14011 Ventura Blvd.; Sherman Oaks, Calif. 91423; 818-905-6419

### DejaVu

Educational game

*System Requirements: 128K or 512K*

*Macintosh.*

DejaVu challenges your memory by matching different shapes, words, or numbers with an animated graphic display.

\$39.95 retail

Rubicon Publishing; 6300 La Calma Dr., Suite 100; Austin, Texas 78752; 512-454-5004

### Feathers & Space

Arcade game

*System Requirements: 128K or 512K*

*Macintosh.*

The player must fight off attack birds that are stressing the defense of the user's mother ship and space outpost.

\$34.95 retail

PBI Software; 1155B-H Chess Dr.; Foster, City, Calif. 94404; 415-349-8765

### Forbidden Quest and Gateway

Adventure games

*System Requirements: 128K or 512K*

*Macintosh.*

\$44.95 retail; Forbidden Quest

\$49.95 retail; Gateway

Priority Software, Inc.; 635 S Sanborn Rd., Suite 22; Salinas, Calif. 93901; 408-757-0125

### Gypsy, the Computer Oracle

*System Requirements: 128K or 512K*

*Macintosh.*

Gypsy is a Macintosh/Macintosh XL version of the ancient, message-giving oracle wherein the user asks a question, then places his fingertips on a free-moving pointer.

\$39.95 retail

Magnum Software; 21115 Devonshire St., Suite 337; Chatsworth, Calif. 91311; 818-700-0510

### Hayden Games

*System Requirements: 128K or 512K*

*Macintosh.*

\$49.95 retail; The Holy Grail (adventure)

\$39.95 retail; Word Challenge (word game)

\$39.95 retail; MasterPieces (jigsaw puzzles)

\$49.95 retail; Sargon III (chess)

Quirks (board game)

Hayden Software Company, Inc.; 600 Suffolk St.; Lowell, Mass. 01854; 617-937-0200

### Hearts

Card game

*System Requirements: 128K or 512K*

*Macintosh.*

\$29.95

Artsci, Inc.; 5547 Satsuma Ave.; North Hollywood, Calif. 91601; 818-985-5763

### Jolly Times

Four educational games, ages 4-7

*System Requirements: 128K or 512K*

*Macintosh.*

\$49.95 retail each

Jovian System Software; PO Box 6993; New Orleans, La. 70174; 504-392-8538

### Klondike

Card game

*System Requirements: 128K or 512K*

*Macintosh.*

\$39.95 retail

Computing Capabilities Corporation; 465-A Fairchild Dr., Suite 122; Mountain View, Calif. 94043; 415-968-7511

### Legacy

Adventure game

*System Requirements: 128K or 512K*

*Macintosh.*

\$39.95 retail

Challenger Software; 18350 Kedzie Ave.; Homewood, Ill. 60430; 312-957-3475

### Lode Runner; Cyborg

Games

*Special Requirements: 128K or 512K*

*Macintosh.*

\$39.95 retail; Lode Runner (arcade)

\$39.95 retail; Cyborg (adventure)

Broderbund Software; 17 Paul Dr.; San Rafael, Calif. 94903; 415-479-1170

### MacAttack

War game

*System Requirements: 128K or 512K*

*Macintosh.*

\$49 retail

Miles Computing, Inc.; 21018 Osborne St., Bldg. 5; Canoga Park, Calif. 91304; 818-994-7901

### MacCommand

War game

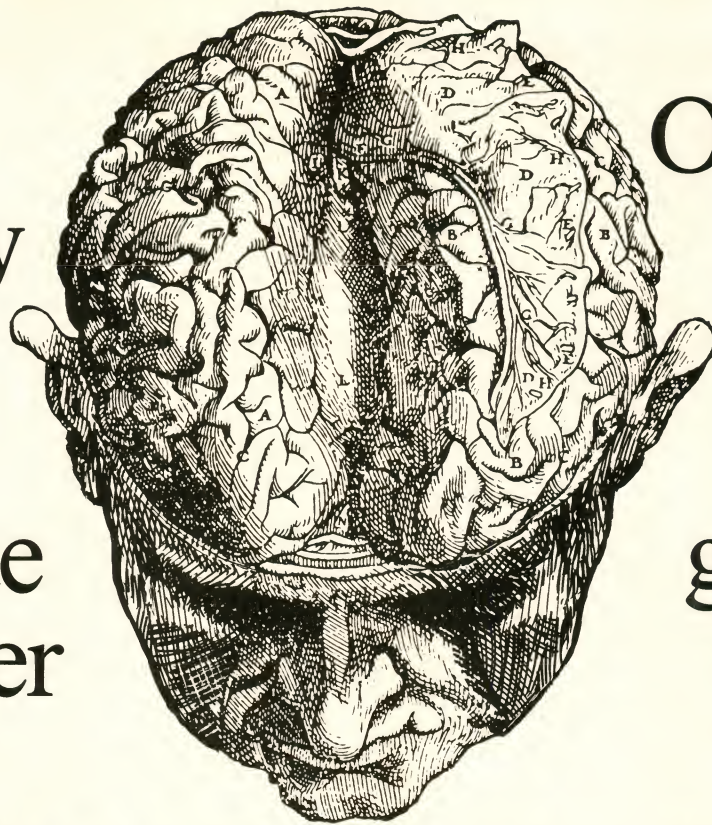
*System Requirements: 128K or 512K*

*Macintosh.*

MacCommand is an action-filled game that challenges the player to protect his city,



You  
already  
own  
the  
ultimate  
computer



Operate  
it  
like  
a  
genius  
with...

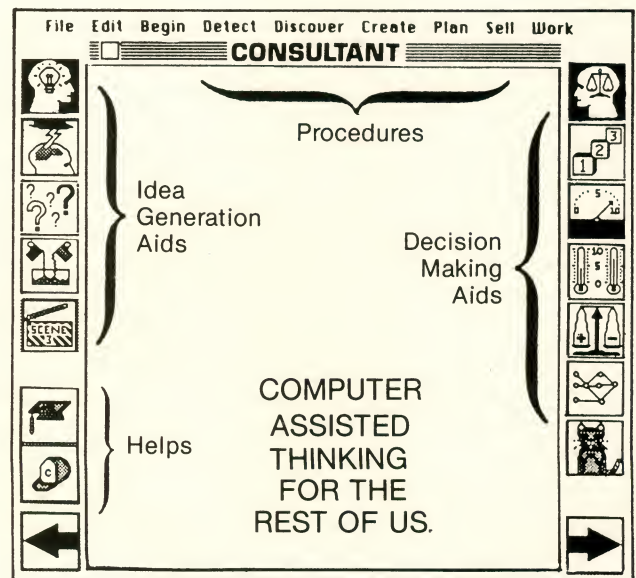
# CONSULTANT™

*helps you use your whole brain to think and work  
more productively.*

...a new concept software program for the Apple® Macintosh™ 128 or 512.

YOU ARE NOT ALONE. Your CONSULTANT™ is always ready to stimulate and supplement your own magnificent mind. CONSULTANT™ helps: detectives solve mysteries, scientists discover principles, engineers create products, generals plan strategies, salespeople develop proposals, executives make decisions, managers supervise, auditors generate reports, lawyers persuade juries, doctors diagnose symptoms, teachers grade exams, writers develop concepts, missionaries make converts, homemakers plan their day and students learn to think. CONSULTANT™ is for any knowledge worker who must solve problems, plan projects, develop expert systems, get results, report their progress and continually grow in their profession.

ALL FOR A SUGGESTED RETAIL PRICE OF \$200.00  
THE COST OF A FEW HOURS OF A  
HUMAN CONSULTANT'S TIME



See your local software dealer or contact us for a free brochure.

**ODS, Inc.** — Organization Development Software  
1605 S. Garden St., Palatine, Illinois 60067

(312) 397-1684 Circle 46 on Reader Service Card



## GAMES/ENTERTAINMENT

which is under attack by dive bombers, paratroopers, and more.  
Available June, 1985; \$34.95 introductory price  
Creighton Development, Inc.; 16 Hughes St., Suite C-100; Irvine, Calif. 92714; 714-472-0488

### MacGammon!

Backgammon game  
*System Requirements: 128K or 512K Macintosh.*  
\$50 retail  
Expert Software Systems, Inc.; PO Box 2352; Melbourne, Fla. 32901; 305-725-5614

### MacManager

Management simulation game  
*System Requirements: 128K or 512K Macintosh.*  
\$49.95 retail  
Harvard Associates, Inc.; 260 Beacon St.; Somerville, Mass. 02143; 617-492-0660

### Mac-Slots and High Rollers

Gambling games  
*System Requirements: 128K or 512K Macintosh.*  
\$49.95 retail; Mac-Slots (slot machines and Keno)  
\$39.95 retail; High Rollers (craps)  
Soft-Life Corporation; PO Box 647; Paramount, Calif. 90723; 213-774-3054

### McFlip; McTrivia Games

*System Requirements: 128K or 512K Macintosh.*  
\$34 retail; McFlip (Othello)  
\$40 retail; McTrivia (trivia)  
McCarron-Dial Systems, Inc.; PO Box 45628; Dallas, Texas 75245; 214-247-5945 or 800-521-7900

### Mouse Stampede

Arcade game  
*System Requirements: 128K or 512K Macintosh.*  
\$39.95 retail  
Mark Of The Unicorn; 222 Third St.; Cambridge, Mass. 02130; 617-864-2676

### NewGammon

Backgammon game  
*System Requirements: 128K or 512K Macintosh.*  
\$39.95 retail  
NewSoft; PO Box 4035; Newport Beach, Calif. 92661; 714-646-0948

### Penguin Games

Adventure games  
*System Requirements: 128K or 512K Macintosh.*  
\$39.95 each retail; Quest; Transylvania; Pen-sate; Xyphus; Coveted Mirror  
Penguin Software; PO Box 311; 830 4th Ave.; Geneva, Ill. 60134

### Pinball Construction Set

Pinball-game generator  
*System Requirements: 128K or 512K Macintosh.*  
Available June, 1985; \$40 retail  
Electronic Arts; 2755 Campus Dr.; San Mateo, Calif. 94403; 415-572-2787

### Pyramid of Peril

Adventure game  
*System Requirements: 128K or 512K Macintosh.*  
\$49.95 retail  
Aegis Development, Inc.; 2210 Wilshire Blvd., Suite 277; Santa Monica, Calif. 90403; 213-306-0735

### Real Poker

Card game  
*System Requirements: 128K or 512K Macintosh.*  
\$39.95 retail  
Henderson Associates; 980 Henderson Ave., Suite #1; Sunnyvale, Calif. 94086; 408-246-8939

### Scarborough Games

Business-management games  
*System Requirements: 128K or 512K Macintosh.*  
\$49.95 each retail; Make Millions; Run For The Money  
Scarborough Systems, Inc.; 55 South Broadway; Tarrytown, N.Y. 10591; 914-332-4545

### Scott Adams 12 Classic Adventures

*System Requirements: 128K or 512K Macintosh.*  
A collection of 12 adventure games that take you from the mystical caves of "Adven-

tureland" to the oddities of space in "Strange Odyssey."  
\$49.95 retail  
Star Systems Software, Inc.; 735-I W Sanlando Springs Dr.; Longwood, Fla. 32750; 305-834-6006

### Squire

Financial simulation  
*System Requirements: 128K or 512K Macintosh.*  
Squire permits the player to experiment with actual income and expenses to arrive at a personal financial game plan geared toward retiring as a millionaire within 20 years.  
Available August, 1985; \$69.95 retail  
Blue Chip Software; 6740 Eton Ave.; Canoga Park, Calif. 91303; 818-346-0730

### TeleChess Game

*System Requirements: 128K or 512K Macintosh; modem.*  
TeleChess is a real-time animated graphics program that permits chess play by telephone with moves appearing simultaneously on both computer screens.  
\$69.95 retail  
BrainPower, Inc.; 24009 Ventura Blvd.; Calabasas, Calif. 91302; 818-884-6911

### Think Games

*System Requirements: 128K or 512K Macintosh.*  
\$49.95 retail; MAD MAC & His Mind Box (strategy)  
\$49.95 retail; Mind Over Mac (5 games)  
Think Educational Software; 16 Market St.; Potsdam, N.Y. 13676; 315-265-5636

### Triple Play

Backgammon, Mancala, and Deduce  
*System Requirements: 128K or 512K Macintosh.*  
\$39.50 retail each  
Triple Play; Division of STEL Enterprises; PO Box 6354; Lafayette, Ind. 47903; 317-742-5369

### Trivia

Guessing game  
*System Requirements: 128K or 512K Macintosh.*  
\$49.95 retail  
Mirage Concepts, Inc.; 4055 W Shaw, #108; Fresno, Calif. 93711; 209-227-8369



### Trivia Savant

Guessing game

*System Requirements: 128K or 512K Macintosh.*

\$39.95 retail

Kastel Technology Corp.; 621 Minna St.; San Francisco, Calif. 94103; 415-863-5636

### Underware Ribbons and Underware ColorPens

Iron-on transfer maker

*System Requirements: 128K or 512K Macintosh; Imagewriter printer.*

\$19.95 retail; Underware Ribbons

\$19.95 retail; Set of Five Underware ColorPens

\$34.95 retail; Ribbon and ColorPens Diversions, Inc.; 1550 Winding Way; Belmont, Calif. 94002; 415-591-0660

### Videx Games

Strategy; cards; gambling

*System Requirements: 128K or 512K Macintosh.*

\$49 retail; MacCheckers with Reversi

\$49 retail; Mac Gammon with Cribbage

\$39 retail; Fun Pak

\$59 retail; Mac Vegas

Videx, Inc.; 1105 Northeast Circle Blvd.; Corvallis, Ore. 97330; 503-758-0521

### Webster's Revenge

Word-search game

*System Requirements: 128K or 512K Macintosh.*

\$34.95 retail

ShapeChanger Software, Inc.; PO Box 1936; Athens, Texas 75751; 214-677-3509

### Wizardry: Proving Grounds Of The Mad Overlord

Adventure game

*System Requirements: 128K or 512K Macintosh.*

\$59.95 retail

Sir-Tech Software, Inc.; 6 Main St.; Ogdensburg, N.Y. 13669; 315-393-6633

### WordPlay

Word game

*System Requirements: 128K or 512K Macintosh.*

\$44.95 retail

Palantir Software; 12777 Jones Rd., Suite 100; Houston, Texas 77070; 800-368-3797

## HOME FINANCE

### Apropos Financial Planning Series

Personal financial planning

*System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft Multiplan or Lotus Jazz.*

\$95 retail

Apropos Software, Inc.; 64 Hillview Ave.; Los Altos, Calif. 94022; 415-948-7227

### Apropos Investment Planning Series

Personal investment planning

*System Requirements: 128K or 512K Macintosh. Special Requirements: Microsoft Multiplan or Lotus Jazz.*

\$95 retail

Apropos Software, Inc.; 64 Hillview Ave.; Los Altos, Calif. 94022; 415-948-7227

### Checkwriter

Checking-account management

*System Requirements: 128K or 512K Macintosh.*

\$69.95 retail

Orion Training Systems; PO Box 94; Daltown, Pa. 17313; 717-757-7721

### ChequeBook

Checking-account management

*System Requirements: 128K or 512K Macintosh.*

\$49.95 retail

Intermatrix; 5543 Satsuma Ave.; North Hollywood, Calif. 91601; 818-509-0474

### Dollars and Sense

Financial management

*System Requirements: 128K or 512K Macintosh.*

\$149.95 retail

Monogram; 8295 S La Cienega Blvd.; Inglewood, Calif. 90301; 213-215-0529

### Dow Jones Market Manager PLUS

Investment management

*System Requirements: 128K or 512K Macintosh. Special Requirements: Modem and printer.*

\$199 retail

Dow Jones & Company, Inc.; P.O. Box 300; Princeton, N.J. 08540; 800-257-5114

### Electric Checkbook

Financial management

*System Requirements: 128K or 512K Macintosh.*

\$79.95 retail

State of the Art, Inc.; 3191-C Airport Loop; Costa Mesa, Calif. 92626; 714-850-0111

### Financial Cookbook

Electronic Arts, see page 00

### Forecast

Monogram, see page 00

### Haba Check Minder

Bill paying; check writing

*System Requirements: 128K or 512K Macintosh.*

\$69.95 retail

Haba Systems, Inc.; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822

### The Home Accountant and Financial Planner for the Macintosh

Personal financial management

*System Requirements: 128K or 512K Macintosh; external disk drive; printer recommended.*

\$150 retail

Arrays, Inc./Continental Software; 11223 South Hindry Ave.; Los Angeles, Calif. 90045; 213-410-3977

### The Home Executive

Home-management software

*System Requirements: 128K or 512K Macintosh.*

\$89.95 retail

Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800

### The Housekeeper

Aegis Development, Inc., see page 00

### Income Tax Solver; Investment Tax Analyst

Income-tax and investment analysis

*System Requirements: 128K or 512K Macintosh. Special Requirements: TK!Solver.*

\$65 retail; Income Tax Solver

\$150 retail; Investment Tax Analyst

AIS Microsystems; 1007 Massachusetts Ave. NE; Washington, D.C. 20002; 202-547-9113



## HOME FINANCE

### The Investor

Portfolio management

*System Requirements: 128K or 512K Macintosh.*

\$150 retail

P Cubed, Inc.; 949 Parklane Ctr.; Wichita, Kan. 67218; 316-686-2000

### MacCheck

Financial management

*System Requirements: 128K or 512K Macintosh.*

\$39.95 retail

Innovative Software; 4909 Stockdale Hwy., Suite 169; Bakersfield, Calif. 93309; 805-832-6698

### MacInTax

Personal tax preparation

*System Requirements: 128K or 512K Macintosh.*

\$70 retail

SoftWeave; 400 Mobil Ave., Bldg. D., Suite C; Camarillo, Calif. 93010; 805-388-2626

### Money Maker

The Professor Corp., see page 00

### Money Market

Future Novelties, Inc., see page 00

### Personal Accountant

Personal financial management

*System Requirements: 128K or 512K Macintosh.*

\$89.95 retail

Softsync, Inc.; 162 Madison Ave.; New York, N.Y. 10016; 212-685-2080

### Portfolio Manager

Client-investment management

*System Requirements: 128K or 512K Macintosh.*

\$89.95 retail

Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800

### Q-Tax

Tax planning

*System Requirements: 128K or 512K Macintosh.*

\$199 retail

Sterling Software; 2030 First Ave., Suite 300; Seattle, Wash. 98121; 206-623-7794

### Soft Start—Personal Finance

Personal financial analysis

*System Requirements: 128K or 512K Macintosh. Special Requirements: Multiplan.*

\$49.95 retail

Allegro Software; 79 Milk St., Suite 1108; Boston, Mass. 02109; 800-343-0664, ext. 5500 or 800-322-1233, ext. 5500

### Tax Manager

Micro Lab, see page 00

### Tax Master

Mac Products, see page 00

### TaxPlan Business Plan

Financial management

*System Requirements: 128K or 512K Macintosh.*

\$59 retail

FutureVest; 542 West 112th St., Suite 6F; New York, N.Y. 10025; 212-222-1607

### Tax Planner '84-'85

Personal tax preparation

*System Requirements: 128K or 512K Macintosh.*

\$49.95 retail

Apropos Software, Inc.; 64 Hillview Ave.; Los Altos, Calif. 94022; 415-948-7227

### Tax-Prep '85

Tax planning and preparation

*System Requirements: 128K or 512K Macintosh; two disk drives recommended. Special Requirements: Multiplan.*

Annual updates; \$99.95 retail

EZWare Corporation; PO Box 620; Bala Cynwyd, Pa. 19004; 215-667-4064

### TaxWizard '84/'85

Tax planning and preparation

*System Requirements: 128K or 512K Macintosh.*

\$64.95 retail

Gamma Productions, Inc.; 817 10th St., Suite 102; Santa Monica, Calif. 90403; 213-451-9507

## OTHER SOFTWARE

### 31 All-Time Favorite Programs

Miscellaneous

*System Requirements: 128K or 512K Macintosh*

These 31 programs are all written in Microsoft BASIC and can be modified. \$29.95 retail

Brownbag Software; 8208 N University St.; Peoria, Ill. 61615; 309-692-7786

### Eat N.Y.

Eat N.Y. is a data base of over 4,200 New York restaurants, complete with recent ratings and menus and more than 500 reviews by free-lance reviewer Michael Hodges.

\$39 retail

KIN Inc.; 10 Columbus Cir., Suite 1260; New York, N.Y. 10019; 212-333-7854

### Hippo Computer Almanac

*System Requirements: 128K or 512K Macintosh.*

The Hippo Computer Almanac allows users to quickly access specific information on a wide variety of topics ranging from area-code information to zucchini calorie content. Users can also enter their own information.

\$34.95 retail

Hippopotamus Software, Inc.; 985 University Ave., Suite 12; Los Gatos, Calif. 95030; 408-395-3190

### MacAlmanic

*System Requirements: 128K or 512K Macintosh.*

MacAlmanic contains easy-to-use, weekly weather reports, predictions, tidal changes, and astrological information, and is updated yearly for \$8.

Available June, 1985; \$49 retail

C-Band DBS/Encycloware; 715 Washington St.; Ayden, N.C. 28513; 919-746-2773

### MacBible

*System Requirements: 128K or 512K Macintosh.*

MacBible is a 15-disk volume of the King James Bible. It features both New and Old Testament, dictionary file, and history file.

Available June, 1985; \$99 retail

C-Band DBS/Encycloware; 715 Washington St.; Ayden, N.C. 28513; 919-746-2773

### MacHome

Ten home programs

*System Requirements: 128K or 512K Macintosh.*

MacHome includes 10 programs such as Financial Calculator, Home Inventory, Personal Financial Statement, Banner Maker, Stock Record, and others.

\$49 retail





# The MacPublisher™

Only \$99.95  
Call Today!

VOLUME 1, NO. 6

1985

BOSTON MA. 02132

## MULTI-COLUMN TEXT AND MIXED GRAPHICS

MacPublisher transforms Apple Macintosh into a text & graphics editing, layout, and page-make-up system that produces multi-column newsletters, fliers, catalogs, ads, etc. Several MacPublisher articles (and pictures) can be on the desktop at the same time. Articles may be clipped and carried over to other columns or pages. You may cut out of one and paste into another.

The MiniPage is a "What You See Is What You Get" representation of a full page layout. Articles on the Dummy Page show as blocks, with numbers of lines & characters, and page, column jumps/continuations.

You may photocopy or photo-off-set Imagewriter printouts for very low-cost small-volume publishing. MacPublisher's output can also be printed on Apple's incredible new LaserWriter, or on Allied Linotype's new laser typesetter, giving you a range of print qualities from 72 to 2500 dots per inch! All Macintosh Fonts, Styles and Sizes may be set - ragged or justified, condensed or wide, and with the interline spacing (leading) adjusted to the pixel!

MacPublisher is an electronic publishing system - with editing, composition, and reproduction - under the control of your mouse, and it is "integrating software" that lets you combine your best work from all your Macintosh programs into a superb presentation format.

As a customer said, "MacPublisher is what I bought my Mac for!"

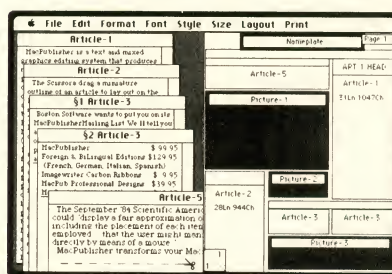
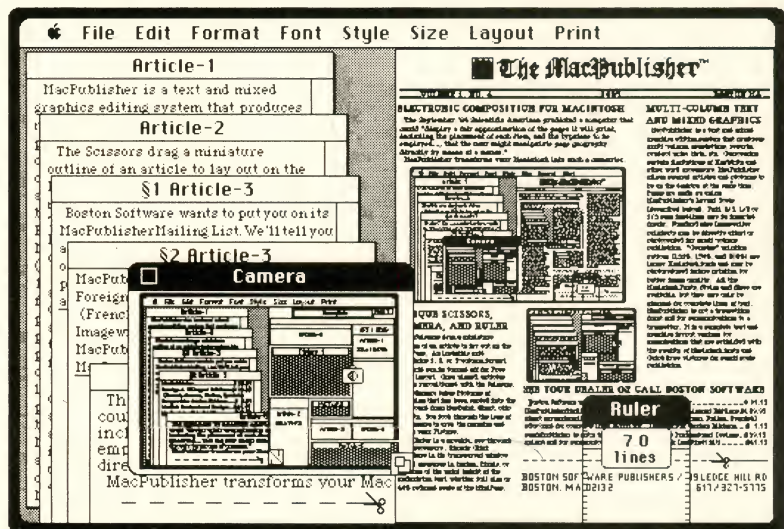
## SEE YOUR DEALER OR CALL BOSTON SOFTWARE

Boston Software wants to put you on its MacPublisher Mailing List. We'll tell you about our carbon ribbons to enhance the output of your Imagewriter, clip art for professional newsletters, and MacLock, an improved Mac security kit.

## ELECTRONIC PUBLISHING FOR MACINTOSH

"Apple Computer's new laser printer [makes it] possible for individuals with personal computers to become their own typesetters, using computers to lay out and then print pages containing both text and graphic illustrations... It's going to turn the entire [printing] industry upside down." --- New York Times.

"We have worked with systems costing hundreds of thousands of dollars, and what is amazing is that [MacPublisher] does just about everything that most full-scale newspaper and magazine publishing systems can, just on a less automated scale. This is a true publishing package." ----- Terry Ulick (publisher of "Page" Magazine), in his newsletter "MagazineMICRO."



## THE LAYOUT TOOLS

The Scissors drag a miniature outline of an article to be laid out or repositioned on the MiniPage or Dummy Page. An invisible grid (1, 2, or 3-columns) can be turned off for Free Form layout.

The Camera can take a Picture of anything that has been copied into the Clipboard from MacPaint, Mac-Visio, Thunderscan, clip art, etc. You use the Camera to size, crop the margins, and frame your Picture.

The Ruler is a see-through and movable desk accessory. Simply Click anywhere in its transparent window and it measures inches, cm, pixels, or lines of the point height of the underlying text. Click on the MiniPage, and it cuts the article to fit perfectly in the measured space.

BOSTON SOFTWARE PUBLISHERS  
BOSTON, MA 02132

19 LEDGE HILL ROAD  
617/ 327-5775

MacPublisher runs on 128K or 512K Macintosh, and on Macintosh XL it has an extra-large MiniPage. This ad was produced with MacPublisher and printed on the insanely great Apple LaserWriter.



## OTHER SOFTWARE

Creighton Development, Inc.; 16 Hughes St., Suite C-100; Irvine, Calif. 92714; 714-472-0488

### MacJob

Job-hunting aid

*System Requirements: 128K or 512K Macintosh.*

MacJob helps a person find a job.  
\$49.95 retail  
Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 914-964-5200

### MacMuscle

Exercise aid

*System Requirements: 128K or 512K Macintosh.*

MacMuscle helps people plan efficient workouts.  
\$69.95 retail  
Tech2000 Software, Inc.; 263 Lugonia St.; Newport Beach, Calif. 92663; 714-650-7240

### MacNews Public Domain Software

Miscellaneous

MacNews has a collection of 27 disks containing public-domain software.  
\$10 each; Quantity discounts  
MacNews; 110 Baldwin St.; Fall River, Mass. 02720; 617-678-6282

### MacSampler

Public-domain software

*System Requirements: 128K or 512K Macintosh; Microsoft BASIC 1.0 or 2.0.*

MacSampler contains 10 public-domain programs written for the Macintosh.  
\$14.95 retail  
Dimensional Disks; PO Box 1180; Blaine, Wash. 98230; 604-585-1986

### MacScreen Gems

Start-up screens

MacScreen Gems features 12 unique start-up screens that the user may install on any disk to replace the usual "Welcome To Macintosh" greeting. They will be displayed each time the disk is used to start up the Macintosh. Once the user has purchased the package, the company will personalize a screen

with the owner's name or message at no charge.

\$14.95 retail  
American Softwerkz; PO Box 678; Brandon, Fla. 34299; 813-626-0755

### Public Domain Software

Programs include utilities, applications, business, communications, games, graphics, fonts, desk accessories, and music.

\$3 retail; Catalog  
\$28 retail; For three disks  
The Public Domain Exchange; 673 Hermitage Pl., Suite 4; San Jose, Calif. 95134; 408-942-0309

### Scripture Bits

Bible reference

*System Requirements: 128K or 512K Macintosh.*

Scripture Bits is a series of MacWrite documents containing a library of Bible references.

\$22 retail  
Medina Software; 2008 Las Palmas Cir.; Orlando, Fla. 32822; 305-281-1557

# How a mouse can make you more productive.

## MAC AT WORK

Macintosh™ Windows on Business

S. Venit and Diane Burns

You can utilize the productivity of windows and mouse technology to create over 50 business documents—everything from balance sheets and invoices to proposals and corporate reports. This practical guide shows how to use windows to do multi-task applications and combine text, spreadsheets, and graphics into a single document. Using lots of screen illustrations and examples, *Mac At Work* lets you calculate, chart and graph, plan and schedule, communicate, record, and sort on the Mac. Then it explains how to integrate these functions to create complete and sophisticated documents that can be tailored to such fields as management, finance, insurance, real estate, law, and medicine.

\$17.95 Book/disk pak: \$39.95

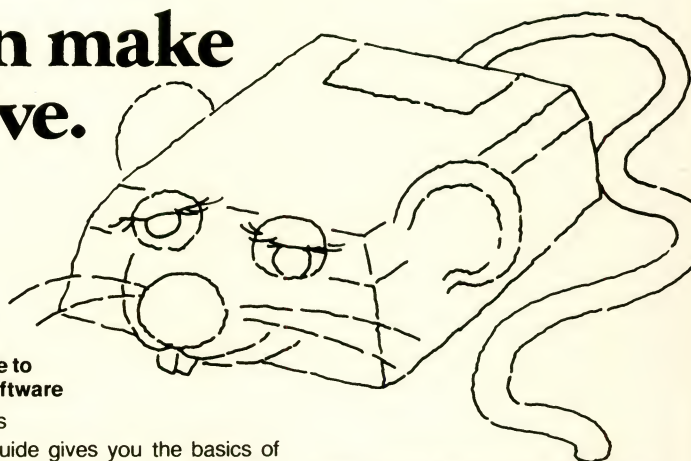
## MACINTOSH™ A Concise Guide to Applications Software

Dirk van Nouhuys

This software guide gives you the basics of using Mac's word processing, spreadsheet, drafting and design, and data base management functions. It shows how to run every type of major applications program, from MacWrite® and MacDraw® to Multiplan®, ThinkTank®, and FileVision®. Along with step-by-step explanations and real screen illustrations that let you make each package work for you, a candid commentary focuses on the strengths and weaknesses of each software program.

\$16.95

Macintosh™ is a trademark licensed to Apple Computer, Inc.



Wiley Press guides have taught more than three million people to program, use, and enjoy microcomputers. Look for them at your favorite bookshop or computer store! For a complete list of Wiley's computer titles, write to Gwenth Jones, Dept. 6-0524.

## WILEY PRESS

a division of John Wiley & Sons, Inc.  
605 Third Avenue, New York, N.Y. 10158  
Prices subject to change and higher in Canada.

6-0524

WILEY PRESS

COMPUTERBOOKS



## 512K and 1 Megabyte Memory Upgrade

The 512K and 1 Megabyte upgrade are available by mail and come with a free RAM disk program. The company provides a shipping container and tools.

\$379 retail; 512K upgrade

\$995 retail; 1 Megabyte upgrade

MassTech Development Labs, Inc.; 451 Boston Rd.; Groton, Mass. 01450; 617-448-3450

## 512K Upgrade

The 512K Upgrade is available by mail and includes a 90-day warranty plus a free RAM disk program.

\$389 retail

FutureVest; 542 West 112th St., Suite 6F; New York, N.Y. 10025; 212-222-1607

## Alphacom 81 and AlphaPro Printers

*Inclusions: Macintosh interface with the Alphacom 81, and an intelligent interface cartridge with the AlphaPro.*

\$169.95 retail; Alphacom 81

\$44.95 retail; Interface

\$399.95 retail; AlphaPro

\$49.95 retail; Interface

Alphacom, Inc.; 2323 S Bascom Ave.; Campbell, Calif. 95008; 408-559-8000

## Alphacom Traveler

Portable printer

\$199.95 retail; Alphacom Traveler

\$49.95 retail; Interface

Alphacom, Inc.; 2323 S Bascom Ave.; Campbell, Calif.; 408-559-8000

## Apple Computer Hardware

Retail prices:

\$495; External Disk Drive

\$99; Numeric Keypad

\$49; Security Kit

\$99; Carrying Case

\$49; Blank Diskettes (10 pack)

\$595; Imagewriter Printer (Standard)

\$795; Imagewriter Printer (15-inch)

\$225; 300-baud Modem

\$495; 1200-baud Modem

Apple Computer, Inc.; 20525 Mariani Ave.; Cupertino, Calif. 95014; 408-996-1010

## Avatar PA1000

Protocol converter for IBM 3270 network

*Special Requirements: Coaxial cable.*

\$1,095 retail

Avatar Technologies, Inc.; 99 South St.; Hopkinton, Mass. 01748; 213-306-6000

## BenchTop Instrument BEN-2048 I/O system

The BenchTop Instrument BEN-2048 is a customizable I/O system for serial linkage to personal computers.

\$650 retail

MetaResearch, Inc.; 1100 SE Woodward; Portland, Ore. 97202; 503-232-1712

## The Big Mac Monitor

23-inch, high-resolution video monitor

\$1,995 retail

Professional Data Systems; 20 Sunnyside Ave.; Mill Valley, Calif. 94941; 415-383-5537

## Cat Communication System Communications

*Inclusions: Modem, cable, adapter, and MITE software.*

\$499 retail

Novation, Inc.; 20409 Prairie St., PO Box 2875; Chatsworth, Calif. 91311; 818-996-5060

## CineMac

Video-output kit

\$195 retail

MicroGraphic Images Corporation; 21040 Victory Blvd., Suite 210; Woodland Hills, Calif. 91367; 818-368-3482

## Composite Video Adaptor

Video-output kit

\$199.95 retail

Mentauris Technologies; PO Box 1467; San Marcos, Texas 78666; 512-396-1565

## ComputerPhone

Communications package

ComputerPhone is a fully integrated telephone and modem telecommunications system for the Macintosh.

Available June, 1985; \$399.95 retail

Intermatrix; 5547 Satsuma Ave.; North Hollywood, Calif. 91601; 818-509-0474

## Corvus OmniDrive

Hard-disk drives

*Inclusions: Software diskette; 15-foot interface cable.*

\$1,495 to \$9,495; 5 to 126 megabyte  
Corvus Systems, Inc.; 2100 Corvus Dr.; San Jose, Calif. 95124; 408-559-7000

## DASCH

RAM-disk hardware

DASCH is a high-speed, RAM-disk unit that is fully compatible with all Macintosh software and hardware.

It shares the Macintosh's printer port with the Imagewriter printer, and is available in 500K, 1,000K, and 2,000K models.

\$495 retail; 500K DASCH

Western Automation Laboratories, Inc.; 1700 N 55th St.; Boulder, Colo. 80302; 303-449-6400 or 800-227-4637

## Datapen

Bar-code reader

\$375 retail

Datalogic Optic Electronics, Inc.; 20340 Center Ridge; Rocky River, Ohio 44116; 216-333-9410

## DataTalker/MAC

Communications processor

\$1,095 retail

Winterhalter, Incorporated; 3853 Research Park Dr.; PO Box 2180; Ann Arbor, Mich. 48106; 800-321-7785 or 313-662-2002

## Davong Mac Disk

Hard-disk drives

\$1,950 to \$3,995;

10 to 43 megabyte

Davong Systems, Inc.; 217 Humboldt Ct.; Sunnyvale, Calif. 94089; 408-734-4900

## Epson Printers

*FX-80+*—is an 80-column, high-performance, bidirectional dot-matrix printer with a SelectType feature and the ability to accept LetterType (NLQ) boards.

*FX-100+*—has a print speed of 160 characters per second and adds a SelectType feature including a panel selection of nine different typestyles and two utility features.

*LQ-1500*—a 24-pin, dot-matrix printer featuring three printing modes—draft, letter quality, and graphics—with a maximum speed of 200 characters per second.

*Spectrum LX-80*—an 80-column printer that operates at 100 characters per second in draft mode and 16 characters per second in near letter-quality mode.

\$499 retail; FX-80+

\$699 retail; FX-100+



\$1,295 retail; LQ-1500  
\$299 retail; Spectrum LX-80  
Epson America, Inc.; 2780 Lomita Blvd.;  
Torrance, Calif. 90505; 213-539-9140

## Granny Smith Connection

Hardware parallel-expansion interface

*Inclusions: Parallel expansion box with built-in shielded cable and connectors, Parallel Print Disk printer drivers, user's start-up guide.*

The Granny Smith Connection for the Macintosh is a self-contained, parallel expansion interface that provides access to a wide range of industry-standard parallel printers and plotters.

\$178 retail  
Z.A.P. Logic Corporation; 208-5647 Yonge St.; Toronto, Ontario, Canada M2M 4E9;  
416-225-8815

## HabaDialer

Telephone adapter box

HabaDialer is an inexpensive telephone interface that routes audio tones from the Macintosh into a telephone circuit and uses Habadex or the WindowDialer to automatically dial calls.

\$49.95 retail; HabaDialer  
\$89.95 retail; Bundled with WindowDialer  
Haba Systems; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822

## HabaDisk With Software Bundle

Disk drive; software package  
HabaDisk is an 800K, double-sided drive bundled with Habadex desktop-management software and QuickFinder, the utility that selects files from internal or external disk drives.

Available June, 1985; \$599.95 retail  
Haba Systems; 15154 Stagg St.; Van Nuys, Calif. 91405; 818-989-5822

## HI-80

Plotter

The HI-80 is a four-pen color plotter that features 42 intelligent commands to reduce the programming time required to produce pie charts, bar and line graphs, circles, arrows, arcs, and other computer graphics. Available September, 1985

\$599 retail  
Epson America, Inc.; 2780 Lomita Blvd.; Torrance, Calif. 90505; 213-539-9140

## HyperDrive

Internal hard disk

*Inclusions: 10-megabyte hard disk, cooling fan, installation labor, and parts; 512K upgrade for the 128K Macintosh.*

\$2,195 retail; HyperDrive installed in 512K Macintosh  
\$2,795 retail; HyperDrive installed in 128K Macintosh (includes 512K upgrade)  
General Computer Company; 215 First St.; Cambridge, Mass. 02142; 800-422-0101

## IBMacBridge

IBM PC to AppleTalk access

The IbmMacBridge card inserts into an IBM PC expansion slot, and allows the user to directly access Apple products on the AppleTalk Personal Network.

\$495 retail  
Tangent Technologies; 5720 Peachtree Pkwy., Suite 100; Norcross, Ga. 30092;  
404-662-0366

## Infotek Products

Various hardware/software devices

*System Requirements: 128K or 512K Macintosh; or a Macintosh XL.*

*UltraPort*—a parallel port kit that allows the attachment of an external hard disk.

*Mac File Server*—consists of network file-server hardware, cable, and software that can connect up to 63 Macintoshes to the file server.

*Personal Laser Printer*—a low-cost laser printer.

*Network Laser Printer*—for use with a Macintosh XL or other file-server network.

*Color Cartridge Ink Jet Printer*—produces high-quality hard copy.

*MacHost*—connects up to 12 Macintoshes running MacTerm.

*BigMacRAM*—a two-megabyte RAM card for the 512K Macintosh and Macintosh XL.

*MammouthMac*—a 512K Macintosh with a built-in, 10-megabyte Winchester hard-disk drive.

*UniMac Business System*—allows access to microcomputers supported by the Unix 5 operating system.

*UniMac Cluster*—a multi-user Unix system consisting of a modified 512K Macintosh, one to 12 Macintosh terminals, and the Unix 5 operating system.

*MacNet Business System*—a multi-user application system that uses business applications and data bases developed for the Macintosh.

*MacPiggyBack*—a back-mounted Win-

chester hard disk and 512K upgrade.

*MacMegRam*—2 or 2½ megabytes of internal RAM for the Macintosh.

*Personal Laser Printer*—operates with any Macintosh or Macintosh XL computer. All accessories included.

*MacVid*—a composite video output adapter that mounts internally and allows large screen monitors to display Macintosh screens.

\$425 retail; UltraPort  
\$1,800 to \$4,900, depending on disk capacity and backup; Mac File Server  
\$3,300 retail; Personal Laser Printer  
\$3,300 (Ver. 1) and \$6,800 (Ver. 2) retail; Network Laser Printer

\$449 retail; MacHost

\$3,900 retail; BigMacRAM

\$2,100 retail; MammouthMac

\$1,699 retail; MacPiggyBack

\$499 retail; 512K upgrade

\$1,199 retail; MacMegRam

\$3,195 retail; Personal Laser Printer

\$189 retail; MacVid

Infotek, Inc.; 56 Camille Ln.; E Patchogue, N.Y. 11772; 516-289-9682

## KAT

Touch tablet

*Inclusions: Touch tablet and stylus with built-in mouse button.*

KAT directly replaces the Macintosh mouse and allows full cursor control with all software without installing special drivers. Available June, 1985; About \$200 retail  
Koala Technologies Corp.; 2065 Junction Ave.; San Jose, Calif. 95131; 800-562-2327

## L.I.N.E.A.C.

Environmental network

A Large-scale Intelligent Network for Environmental Audit and Conservation (L.I.N.E.A.C.) system consisting of from one to 256 remote, networked Universal Micro-controllers (Metaresearch EMM-2048a) or any other EMUX-compatible, two-wire stations. Metaresearch, Inc.; 1100 SE Woodward; Portland, Ore. 97202; 503-232-1712



### Mac488A

#### IEEE 488 bus controller

The Mac488A adds IEEE 488 bus capability—including controller, talker, and listener functions—to the Macintosh. It allows the Macintosh to control over 4,000 different instruments for applications ranging from laboratory automation to process control.

\$595 retail

IOtech, Inc.; PO Box 21204; Cleveland, Ohio 44121; 216-831-8646

### MacBoard

#### 512K expansion

MacBoard is a 512K Macintosh reworked board with socketed memory and a free RAM disk program.

\$450 retail with trade-in

VOAD Systems; 12301 Wilshire Blvd., Suite 101; Los Angeles, Calif. 90025; 213-207-8866

### Macbottom

#### Hard-disk drive

Macbottom is an external hard-disk drive that provides 10 megabytes of additional data-storage space and comes with software and cables.

\$1,595 retail

Personal Computer Peripherals Corp.; 6204 Benjamin Rd.; Tampa, Fla. 33614; 813-884-3092

### Maccessories Portable Modem

\$140 retail

Kensington Microware, Ltd.; 251 Park Ave. S; New York, N.Y. 10010; 212-475-5200

### MacCharlie

#### Coprocessor; IBM PC emulation

Available second quarter, 1985

\$1,195 retail; 256K, one floppy drive

\$1,895 retail; 640K, two floppy drives

Dayna Communications; 50 South Main St., Suite 530; Salt Lake City, Utah; 800-531-0600

### MacColby

#### Repackaged Macintosh

MacColby is 100-percent Macintosh compatible because it is a repackaged Macintosh. The company strips the Macintosh, its keyboard, its modem, and disk drive of their Apple-supplied cases and houses them in the

new MacColby case, which consists of an internal aluminum case and an outside plastic case.

\$699 retail; MacColby conversion

\$3,299 retail; MacColby 512K

Colby Computer; 849 Independence Ave.; Mountain View, Calif. 94043; 415-968-1410

### MacDrive

#### Hard-disk drives

*Inclusions: All cables and software.*

\$1,995 retail; MacDrive 5

\$3,290 retail; Two MacDrive 5

\$1,995 retail; MacDrive 10

\$3,290 retail; MacDrive 10+5

Tecmar, Inc.; 6225 Cochran Rd.; Solon, Ohio 44139; 216-349-0600

### MacEnhancer

#### Port-expansion system

*Inclusions: Printer-driver software and terminal-emulation software.*

\$249 retail

Microsoft Corporation; 10700 Northup Way, PO Box 97200; Bellevue, Wash. 98009; 206-828-8080

### MacModem

#### Communications

*Inclusions: Modem, telephone cord, communications software, cable, user's manual, and quick-reference card, free time on Dow Jones.*

\$599 retail; MacModem 1200

\$899 retail; MacModem 2400

Microcom, Inc.; 1400A Providence Hwy.; Norwood, Mass. 02062; 617-762-9310

### MacMonitor; MacInterface

MacMonitor is a low-cost, lightweight, 19-inch monitor for the Macintosh.

The MacInterface is a low-cost video interface kit for the Macintosh.

\$790 retail; MacMonitor

\$190 retail; MacInterface

Contrex International; PO Box 5500; Newport Beach, Calif. 92662; 714-673-4200

### Mac Port Adapter

#### Serial and parallel expander

*System Requirements: 128K or 512K Macintosh; Macintosh XL.*

The Mac Port Adapter plugs into the Macintosh printer or modem port, adding a Centronics-compatible parallel port as well as providing a serial port.

\$79 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

# DeSmet C

**MACINTOSH™  
DEVELOPMENT  
PACKAGE**

**\$150**  
Includes Shipping

#### Runs on 128K and 512K Macintosh

- Produces FINDER/SHELL applications
- Dynamic OVERLAY support

#### Full K&R C Compiler

- Native Code Compiler
- In-line **asm** directive
- IEEE S/W Floating Point

#### Assembler, Linker, and Librarian

#### Machine Code Debugger

#### Source Code Editor

#### "SHELL" Interface

- Environmental Variables
- Wild-Card Expansion
- Many Built-in Functions
- Command History
- Runs Any Application

#### > 120 Function STDIO Library

#### > 450 Function Macintosh ROM Library

#### 360 Page Manual

#### RAM Disk

Circle 49

Macintosh is a trademark licensed to Apple Computer, Inc.

- ☐ Please Send Information.  
☐ Send Macintosh Development Package
- Check # \_\_\_\_\_ Enclosed

SHIP TO: \_\_\_\_\_

ZIP \_\_\_\_\_

**CW A R E**  
CORPORATION

**P.O. BOX C  
Sunnyvale, CA 94087  
(408) 720-9696**

All orders shipped UPS surface. California residents add sales tax. Canada shipping add \$5, elsewhere add \$15. Checks must be on U.S. Bank and in U.S. Dollars. Call 9 a.m.-1 p.m. to CHARGE by VISA/MC/AMEX.

Street Address: 505 W. Olive, #767, Sunnyvale, CA 94086



## Mac Private Eye

Video digitizer

\$595 retail

I/O Video, Inc.; 225 Third St.; Cambridge, Mass. 02141; 617-547-4141

## MacSlide Maker

Slide or print-making system

*Special Requirements: 35mm slide or print film. Inclusions: Video-output board.*

\$3,495 retail

MicroGraphic Images Corporation; 21040 Victory Blvd., Suite 210; Woodland Hills, Calif. 91367; 818-368-3482

## MacTablet

Graphics tablet

\$495 retail

Summagraphics Corporation; 777 State St. Extension; Fairfield, Conn. 06430; 203-384-1344

## Mac Turbo Touch

Trackball controller

\$109 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

## MegaMac and MegaRAM

1,024K memory-upgrade kit; RAM-disk software

\$1,395 retail; MegaRAM with software included

MicroGraphic Images Corporation; 21040 Victory Blvd., Suite 210; Woodland Hills, Calif. 91367; 818-368-3482

## Microline 192/193

Dot-matrix printers

\$499 retail; Microline 192

\$600 retail; Microline 193

Okidata; 532 Fellowship Rd.; Mount Laurel, N.J. 08054; 609-235-2600

## M.I.D.I. Conductor

Musical-instrument interface

The M.I.D.I. Conductor will allow a Macintosh user to connect the computer with nearly every music synthesizer and MIDI instrument or peripheral, and give the capability of recording, mixing, and replaying electronic instrument sound. The device will also allow the Macintosh to print notation. Available June, 1985

\$89 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-446-0797

## Missing Link

Serial-to-parallel converter

Missing Link lets you connect computer serial ports to printer parallel ports, establishing a line of communication between your computer and printer.

\$89 retail

Intrepid Technologies; PO Box 31211; Santa Barbara, Calif. 93130; 805-685-6770

## MSI-1

Serial-to-parallel interface

*Inclusions: Communications software.*

\$350 retail

Technological Services Company; PO Box 2125; Clinton, Miss. 39056; 601-924-3304

## Numeric Turbo

Input device

*System Requirements: 128K or 512K Macintosh; Macintosh XL.*

The Numeric Turbo is a high-speed data-input device with a gyroscopic-ball cursor controller and a fully functional numeric keypad.

\$149 retail

Assimilation, Inc.; 485 Alberto Way; Los Gatos, Calif. 95030; 408-356-6241

## Okidata Printers

Dot-matrix printers

\$569 retail; ML 92

\$869 retail; ML 93

\$99 retail; Apple Plug 'N Play kit

Okidata; 532 Fellowship Rd.; Mt. Laurel, N.J. 08054; 609-235-2600

## Omni-Reader

Character reader

*Special Requirements: Compatible word-processing, data-base, or spreadsheet software.*

\$499 retail; Omni-Reader

\$50 retail; Interface software

Oberon International; Suite 630, LB48, 5525 McArthur Blvd.; Irving, Texas 75038; 214-446-9567 or 800-262-3766

## Parallel Printer Interface

Parallel Printer Interface allows printing to a standard Centronics parallel-type printer from the Macintosh serial printer port.

\$89.95 retail

CAT Systems; 21115 Devonshire St.; Chatsworth, Calif. 91311; 805-251-7806

## Printer Optimizer

Printing control center; print spooler

\$598 with serial option

Applied Creative Technology, Inc.; 2156 W Northwest Hwy., Suite 303; Dallas, Texas 75220; 800-433-5373

## Project-A-Mac

Wide-screen projection system

*Special Requirements: External video card.*

\$4,495 retail

Professional Data Systems; 20 Sunnyside Ave.; Mill Valley, Calif. 94941; 415-383-5537

## QC10 and QC20

Hard-disk drives

The QC10 and QC20 hard-disk drives can store 10 to 20 megabytes of information respectively, and can be segmented into smaller storage areas called volumes.

\$1,995 retail; QC10

\$2,595 retail; QC20

Quark Peripherals, Inc.; 2525 West Evans Ave., Suite 220; Denver, Colo. 80219; 800-543-7711

## RamStak

Memory expansion

RamStak is a 512K to 2MB memory expansion board for the Macintosh XL.

\$895 to \$2,695 retail

AST Research, Inc.; 2121 Alton Ave.; Irvine, Calif. 92714; 714-863-1333

## Sensorbus Sensor Interface Modules and Software

Sensor interface modules

*Special Requirements: Power supply, computer-interconnect cable, and network cable*

Transensory Devices, Inc.; 44060 Old Warm Springs Blvd.; Fremont, Calif. 94538; 415-490-3333

## Star Micronics Printers

Dot-matrix printers

\$299 to \$949 retail, depending on model selected

Star Micronics, Inc.; 200 Park Ave.; New York, N.Y. 10003; 212-986-6770



### Symbfile

10½- to 42-megabyte, hard-disk drives

Symbiotic Computer Systems, Ltd.; Duroma House; 32 Elmwood Rd.; Croydon, Surrey, CR92TX, England; 01-683-1137PBX

### Systemizer

Serial/parallel printer controller; data buffer

\$299 retail and up

Applied Creative Technology; 2156 W North-west Hwy.; Dallas, Texas 75220;

800-433-5373

### ThunderScan

Digitizing scanner for Imagewriter printer

*System Requirements: Imagewriter printer.*

*Inclusions: Cartridge, cables, user's guide, and application software.*

\$229 retail

Thunderware, Inc.; 21 Orinda Way; Orinda, Calif. 94563; 415-254-6581

### TPS Electronics

PC-380 Bar Code Reader

PC-580 Magnetic Stripe Reader

PC-3800 Bar Code/Magnetic Stripe Reader Combination

\$795 retail; PC-380

\$695 retail; PC-580

\$995 retail; PC-3800

TPS Electronics; 4047 Transport St.; Palo Alto, Calif. 94303; 415-856-6833

### Universal Microcontroller

#### EMM-2048a

Serial environmental computer

The Universal Microcontroller EMM-2048a is an Intel 8031/51-based computer that provides data sensing/control via serial lines.

Each unit can run RS-232 (3-wire), RS-422 (4-wire), or EMUX (2-wire) from any computer that supports the given serial standard.

\$750 retail

MetaResearch, Inc.; 1100 SE Woodward; Portland, Ore. 97202; 503-232-1712

### Valiant Turtle

Remote-controlled robot

The Valiant Turtle is a sophisticated,

remote-controlled programmable robot. It carries a pen that draws whatever is being drawn on the screen of the Macintosh.

\$399.95 retail

Harvard Associates, Inc.; 260 Beacon St.; Somerville, Mass. 02143; 617-492-0660

### Visionary 100 And 1200

Modems

\$595 to \$895, depending on memory;

Visionary 100

\$795 to \$1,195, depending on memory; Vi-

sionary 1200

Visionary Electronics, Inc.; 141 Parker Ave.; San Francisco, Calif. 94118; 415-751-8811

### Volksmodem 12; Signalman

Express

Modems

*System Requirements: Communications software.*

\$299 retail; Volksmodem 12

\$439 retail; Signalman Express

Anchor Automation, Inc.; 6913 Valjean Ave.; Van Nuys, Calif. 91406; 818-997-7758

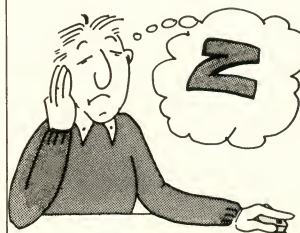
# We Typeset MacPaint Documents

On Paper or Film  
24 Hour Turnaround  
Send us your disk and we do the rest.



P.O. Box 3849, Vero Beach, FL 32963  
Phone 305-231-1848

Circle 57 on Reader Service Card



You're ready to turn  
your Macintosh into a  
MegaMac.<sup>TM</sup>

#### It's bigger.

MegaMac has 1024k -- room for lots of programs, files, fonts, and desktop accessories.

#### It's faster.

MegaMac gives you up to twelve times the speed.

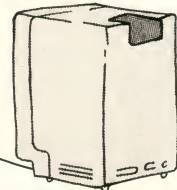
#### It's better.

All the software and hardware support you need. We work with Apple Dealers across the nation to bring you the best product and service.

Sooner or later,  
you're going  
to get tired.

Tired of taking disks in and out of the drive.  
Tired of the time wasted when switching programs.

But mostly, tired of looking at that familiar wristwatch icon. And waiting.



MegaMac Upgrade

To order MegaMac, visit your favorite Authorized Apple Dealer, or Call (818) 368-3482.

**MegaMac<sup>TM</sup>**

*When time is your most valuable resource.*

© 1985 MicroGraphic Images Corp.  
19612 Kingsbury Street, Chatsworth, CA 91311

MegaMac is a trademark of MicroGraphic Images  
Macintosh is a trademark of Apple Computer



## ACCESSORIES

### A-B Box

The A-B Box gives you an extra serial port by enabling the user to plug two peripherals into it.

\$99.95 retail

Kensington Microware Ltd.; 251 Park Ave. S; New York, N.Y. 10010; 212-475-5200

### Cleaning Kits

\$24.95 retail; Mouse Cleaning Kit with Mouse Pocket

\$29.95 retail; Disk Drive Cleaning Kit  
Kensington Microware Ltd.; 251 Park Ave. S; New York, N.Y. 10010; 212-475-5200

### Computer Graphics Color Packet

The Computer Graphics Color Packet comes with eight colored, self-adhesive sheets of transparent film and a knife to apply color to Macintosh artwork.

\$15 retail

Channel Productions; 315½ West Pedregosa St.; Santa Barbara, Calif. 93101; 805-569-0034

### Computer Table

\$160 delivered

Premier Computer Furniture; 2057 South Broadway; Denver, Colo. 80210; 303-761-5671

### Covers

These are antistatic dust covers for the Macintosh XL and the external disk drive.

\$13.75 retail; Macintosh XL Dust Cover

\$9.95 retail; External Disk Drive Dust Cover  
Kensington Microware Ltd.; 251 Park Ave. S; New York, N.Y. 10010; 212-475-5200

### Covers; MacSack

\$24.20 retail; three-piece Macintosh cover set

\$75 retail; MacSack Model R

\$85 retail; MacSack Model 2S

ComputerAid, Inc.; PO Box 293; Barrington, R.I. 02806; 401-245-0532

### Custom Dust Covers

\$36.95 retail per set

Elegant Interiors; 855 South Knoxville; Tulsa, Okla. 74112; 918-835-5807

### Designer Dust Covers

Attractive 100-percent nylon dust covers available in beige with brown trim or blue with gray trim.

\$26 retail; Monitor and keyboard set

\$20 retail; Imagewriter and other printers

\$6 retail; Disk drive

\$4.50 retail; Mouse cover

Crosby Creations; W 3327 Alice Ave.; Spokane, Wash. 99205; 509-327-6884

### Disk Album

The album is constructed of sturdy vinyl with a Velcro closure and holds 60 3½-inch disks. The file system comes with color-coded index strips and index labels.

\$37.95 retail

Fellowes Manufacturing Co.; 1789 Norwood Ave.; Itasca, Ill. 60143; 312-893-1600

### Eichner Locking Diskette File

\$29.95 retail

Fellowes Manufacturing Co.; 1789 Norwood Ave.; Itasca, Ill. 60143; 312-893-1600

### Express Computer Supplies

*Ribbons*—Black, colored, and heat-transfer ribbons for the Imagewriter printer.

*Dust Covers*—Clear dust covers for the Imagewriter printer and the Macintosh.

*Swivel Base*—For the Macintosh.

*Media Mate 3*—Disk-storage case that holds 30 3½-inch disks.

*Mouse Trac*

Write or call for descriptions and price sheet.

Express Computer Supplies; 1684 Market St.; San Francisco, Calif. 94102; 415-864-3026

### Fiberbilt Cases

\$99.50 retail; Mac-Mover (hard carrying case)

\$225 retail; Mac-System Flight Case (polyethylene case)

Fiberbilt Cases, Inc.; 601 W 26th St.; New York, N.Y. 10001; 800-847-4176

### Frontrunner Accessories

*MouseAround*—a drawing board that will allow a user to trace artwork.

*MouseMedic*—a cleaning kit for the entire Macintosh system.

*DiskMedic*—a cleaning kit for the Macintosh 3½-inch disk drive.

*MouseHouse*—a holder for the Macintosh mouse that attaches to the side of the Macintosh with removable Velcro strips.

*MouseMat*—provides a clean, smooth rolling surface for the mouse.

*MacCover*—custom, antistatic vinyl covers for the Macintosh, keyboard, mouse, and Imagewriter printer.

*MacShell*—a two-piece, protective hard-shell cover for the Macintosh console and keyboard.

*MacZap I*—a miniature tote-along electronic surge protector.

*MacZap II*—a multi-outlet electronic surge protector for the Macintosh. It has six outlets, four of which are controlled by a master on-off switch.

*Rainbow Ribbons*—high-quality film ribbons available in yellow, blue, red, green, brown, silver, purple, and black.

*Draw 'n Wear*—heat-transfer ribbons available in yellow, blue, red, green, brown, purple, and black.

*Print 'n Switch*—allows both an Imagewriter and a letter-quality printer to be simultaneously connected to the Macintosh.

\$49.95 retail; MouseAround

\$19.95 retail; MouseMedic

\$19.95 retail; DiskMedic

\$5.95 retail; MouseHouse

\$29.95 retail; MouseMat

\$29.95 retail; MacCover

\$29.95 retail; MacShell

\$19.95 retail; MacZap I

\$49.95 retail; MacZap II

\$9.95 retail; each Rainbow Ribbon

\$14.95 retail; each Draw 'n Wear

\$119.95 retail; Print 'n Switch

Frontrunner Computer Industries; 316 California Ave., Suite 712; Reno, Nev. 89509; 702-786-4600

### HabaRack

HabaRack organizes the Macintosh components and saves desktop space by positioning the peripherals neatly around the CPU.

\$59.95 retail

Haba Systems; 15154 Stag St.; Van Nuys, Calif. 91405; 818-989-5822

### Hardcover

\$12.95 retail per set

Diversified Manufacturing, Inc.; 242 North Cleveland; Wichita, Kan. 67214; 316-263-6120

### Head Cleaning Disk

\$39.95 retail

Vikor Company, Inc.; PO Box 3123; Nashua, N.H. 03061; 603-889-8530

### I-Basket

I-Basket is a hard-sided, foam-lined, plastic, locking carrying case for the standard-size Apple Imagewriter.

\$100 retail

Justin Case Manufacturing Corp.; 334 Main St.; Port Washington, N.Y. 11050; 516-883-2299



## Infotek Accessories

**MacJoy**—a joystick that replaces the mouse for best use with games.

**MacCool**—a fan that installs in the Macintosh to prevent overheating.

**MacTimer**—an external control device that makes use of the Macintosh alarm clock and sound output to turn on or off electrical appliances.

**MacKeybase**—an antislid, antielectrostatic base for the Macintosh keyboard.

**MacAmp**—an audio amplifier for increasing the volume of the Macintosh.

**MacTools**—a set of uncommon tools used to take apart and reassemble the Macintosh.

**MacHeadphones**—lightweight, Walkman-style headphones that produce high-fidelity sounds.

**MacSpeaker**—an external speaker that plugs into the Macintosh.

**Imagewriter Color Ribbons**—available in yellow, red, blue, green, purple, brown, and black.

**MacInker**—reinks your Imagewriter ribbons up to 30 times.

**MacDesk**—a desktop workstation designed to fit the Macintosh and Imagewriter printer.

**MousePointer**—attaches to your mouse and is used for accurately tracing hard-copy pictures.

**PortaMac**—an external accessory kit that enables the Macintosh to run without 110V power for up to 90 minutes.

**MacUPS**—a power supply that automatically switches over to provide 120 volts of internal battery power when the regular power fails for 30 minutes.

**MacPortSwitch**—allows you to switch control between several serial devices attached to one of your serial ports.

\$49 retail; MacCool

\$12.95 retail; MacKeybase

\$49.95 retail; MacAmp

\$19.95 retail; MacTools

\$16.95 retail; MacHeadphones

\$19.95 retail; MacSpeaker

\$7.95 each retail; Colored Ribbons

\$5 retail; Black Ribbon

\$39.95 retail; MacInker

\$49 retail; MacDesk

\$4.95 retail; MousePointer

\$350 retail; PortaMac

\$199 retail; MacUPS

\$59.95 retail; MacPortSwitch, 2-device switch

\$89.95 retail; MacPortSwitch, 4-device switch

Infotek Inc.; 56 Camille Ln.; E Patchogue, N.Y. 11772; 516-289-9682

## I/O Design Accessories

**T-Shirt Factory**—a full-color transfer kit that creates plain paper iron-on transfers using the Imagewriter.

**Macinware**—a carrying case.

**Imageware**—Imagewriter carrying case.

**Mac-in-the-Box**—a wooden desktop workstation that houses the Macintosh and peripherals.

**ColorRibbons**—ribbons for the Imagewriter are available in red, blue, green, brown, yellow, and purple.

**Heat Transfer Ribbons**—create iron-on transfers in four colors: red, blue, yellow, and black.

**Color 6 Pack**—one each of six color ribbons available in a set.

**Black Nylon Ribbons**

**ColorPrint 3**—includes ColorPrint Software plus one each red, blue, and yellow color ribbons.

**ColorPrint 6**—includes ColorPrint Software plus one each red, blue, yellow, green, brown, and purple color ribbons.

**ColorPrint Transfer**—includes ColorPrint Software plus one each red, blue, yellow, and black color-transfer ribbons.

**ColorPrint System**—includes ColorPrint Software plus one each red, blue, yellow, green, brown, and purple color ribbons, plus one each red, blue, yellow, and black color-transfer ribbons.

\$54.95 retail; T-Shirt Factory

\$99.95 retail; Macinware

\$69.95 retail; Imageware

\$99.95 retail; Mac-in-the-Box

\$9.95 retail; Each ColorRibbon

\$14.95 retail; Heat Transfer Ribbons

\$54.95 retail; Color 6 Pack

\$7.95 retail; Black Nylon Ribbons

\$74.95 retail; ColorPrint 3

\$99.95 retail; ColorPrint 6

\$99.95 retail; ColorPrint Transfer

\$149.95 retail; ColorPrint System

I/O Design, Inc.; 19 Lafayette St.; Rumson, N.J. 07760; 201-747-0943

## Justin Case

**BASKET**—a hard-sided, foam-lined, plastic, locking case for the Macintosh.

**D-BASKET**—holds everything that the BASKET holds plus an external disk drive, modem, and cords.

\$100 retail; BASKET

\$130 retail; D-BASKET

Justin Case Manufacturing Corp.; 334 Main St.; Port Washington, N.Y. 11050;

516-883-2299

# Introducing

# idd's

## Paste-Ease™

You wouldn't put just anything into your personal scrapbook... So why not make your Macintosh™ scrapbook come alive with the fine graphics of Paste-Ease™?

Unlike other graphics packages, Paste-Ease™ provides you with a vast library of artistic building blocks. By using the hundreds of graphics pieces provided to you, along with your MacPaint™ program, you can paste together your own creative ideas. Paste-Ease™ comes complete with a user's manual which features an entire section dedicated to creative hints.

**To order your Paste-Ease™:** call today, or send your check (allow 2 weeks) or money order for \$49.95 plus \$2.00 postage & handling. California residents include 6 1/2% sales tax.

Mastercard & VISA welcome. Please include card no. and expiration date.

## FONTS

**idd, Inc.**  
Innovative Data Design, Inc.

175 Willow Pass Rd. Ste 8  
Concord, CA 94520  
(415) 680-6818

Illustrations have been reduced for this ad. Paste-Ease™ is a trademark of Innovative Data Design, Inc. Macintosh and MacPaint are trademarks licensed to Apple Computer, Inc.



## ACCESSORIES

### Kensington Maccessories

*Disk Case*—provides storage for separate Macintosh disks.

*Surge Suppressor*—built-in surge-suppression and noise-filtering circuitry power cord.

*Swivel*—a base that attaches to the bottom of the Macintosh.

*Tilt and Swivel*—allows you to swivel the Macintosh and tilt it to the viewing angle most convenient for you.

*Control Center*—combines several convenient functions into one accessory: surge suppression, line noise filtering, static protection, triple-outlet strip, and power switch for each outlet.

*Universal Printer Stand*—raises a printer to allow monitoring or output by a user and stores several hundred sheets of paper underneath.

*Mouse Pocket*—attaches to the side of the Macintosh with adhesive-backed Velcro strips.

*Imagewriter Dust Cover*—antistatic cover that protects the Imagewriter printer.

*Dust Cover*—antistatic cover that protects both the Macintosh and keyboard.

*Starter Pack*—includes surge suppressor, Macintosh dust cover, Imagewriter dust cover, swivel, and tilt and swivel.

*Travelling Disk Case*—constructed of sturdy plastic, it has room for 12 Macintosh disks.

\$30 retail; Disk Case with Disk Pocket

\$49.95 retail; Surge Suppressor

\$35 retail; Swivel

\$34.95 retail; Tilt & Swivel

\$99.95 retail; Control Center

\$29.95 retail; Universal Printer Stand

\$9.95 retail; Mouse Pocket

\$13.75 retail; Imagewriter Dust Cover

\$13.75 retail; Dust Cover

\$89.95 retail; Starter Pack

\$12.95 retail; Travelling Disk Case

Kensington Microware Ltd.; 251 Park Ave. S; New York, N.Y. 10010; 212-475-5200

### MacGard

The MacGard provides protection from voltage surge, static discharge, faulty ground, and radio-frequency interference.

\$89.95 retail plus \$3.50 for shipping

Systems Control; PO Box 788M; Iron Mountain, Mich. 49801; 800-338-9297

### Macintosh 3.5" Head Cleaning Kit

Available now; \$39.95 retail

Nortronics Company, Inc.; 8101 10th Ave. North; Minneapolis, Minn. 55427; 800-328-5640

### Macintosh Case

\$30 retail

American Tourister; 91 Main St.; Warren, R.I. 02885; 401-245-2100

### Macintosh Kit; Micro DiskFiler

The Macintosh Kit contains two products. The MouseMat is a letter-sized pad that lays flat on a desk with the right surface for smooth mouse movement, and the QuickStand holds four disks in an upright, easy-to-grab position.

The Micro DiskFiler holds up to 30 disks, has six dividers, and a transparent cover.

\$24.95 retail; Macintosh Kit

\$19.95 retail; Micro DiskFiler

Computer Accessories Corporation; 7696 Formula Pl.; San Diego, Calif. 92121; 619-695-3773

### Macintosh Modular Computer Bag

The Macintosh Modular Computer Bag carries a complete Macintosh computer system in one shockproof, waterproof, lightweight case.

\$199.95 retail; Macintosh Modular Bag

\$129.95 retail; PC3003 Macintosh Bag

KIWI; 6721 NW 36th Ave.; Miami, Fla. 33147; 305-835-8228

### MacKablit

MacKablit is a security device that deters theft of Macintosh computer hardware using steel cables and locks.

\$39.95 retail

Secure-It, Inc.; 10 Center Sq.; East Longmeadow, Mass. 01028; 413-525-7039

### MacLock

MacLock is a heavy-duty, antitheft kit that includes a heavy 3/16-inch, plastic-jacketed steel cable; foolproof desk clamp with inaccessible screws; and a case-hardened steel padlock.

\$49.95 retail

Boston Software Publishers, Inc.; 19 Ledge Hill Rd.; Boston, Mass. 02132; 617-327-5775

### MacProColor System

The MacProColor Package will allow anyone with a 35mm camera to create professional-quality computer graphics. The package includes an eight-lesson tutorial manual, 35mm sample slides, a tutorial sample disk, 24 color filters, and a tripod.

\$99.95 retail

Aurora Borealis Computer Graphics; 1033 Battery St.; San Francisco, Calif. 94111; 414-392-2971

### Mac Products

*Mac Lock*—a Macintosh security kit made of vinyl-covered steel tabs and cables that includes a strong padlock.

*Mac Cables*—to connect modems, printers, and peripherals to the Macintosh.

\$29.95 retail; Mac Lock

\$29.95 retail; Mac Cables

Mac Products; 20231 San Gabriel Valley Dr.; Walnut, Calif. 91789; 714-595-4838

### MacSpeak

MacSpeak is an external speaker with two high-fidelity quality speakers.

\$19.95 retail; MacSpeak

\$24.95 retail; MacSpeak with earphone

Superex Business Software; 151 Ludlow St.; Yonkers, N.Y. 10705; 800-862-8800

### MacStation

MacStation encloses the Macintosh on the top and two sides. A printer rests on the top with a tray provided for continuous-form paper. On each side, two cubicles with adjustable shelves can house a second disk drive, modem, etc.

\$95 retail

The MicroRain Corp.; PO Box 96008, Dept. 150; Bellevue, Wash. 98009; 800-547-4000, Dept. 420

### MacTilt

MacTilt is an ergonomic stand for the Macintosh.

\$99.95 retail

Ergotron, Inc.; 1621 E 79th St., Suite C133; Minneapolis, Minn. 55420; 612-854-9116 or 800-328-9839

### MacTools

The Mentauris MacTools are a set of two technician hand tools that are used to safely and correctly open, remove, and replace the Macintosh housing.

Available now; \$24.95 retail

Mentauris Technologies; PO Box 1467; San Marcos, Texas 78667; 512-396-1565



### MacTote

#### Carrying case

Optimum Computer Luggage; 9005 Complex Dr.; San Diego, Calif. 92123; 800-447-0300

### Media Mate 3; DiskBank 3

The Media Mate 3 is a storage filing system for 3½-inch disks.

The DiskBank 3 is a storage and filing system that allows the user to interlock and stack an unlimited number of disks.

\$14.95 retail; Media Mate 3

\$5.95 retail; DiskBank 3

Amaray International Corporation; 14935 NE 95th St.; Redmond, Wash. 98052; 800-426-2729

### Mouse Mover

Mouse Mover snaps on to the bottom of the mouse, and its 99 ball bearings let the mouse ride and glide over the work area smoothly and effortlessly.

\$19.95 retail

Magnum Software; 21115 Devonshire St., Suite 337; Chatsworth, Calif. 91311; 818-700-0510

### Mouse Pad

The Mouse Pad is a plastic pad designed so the mouse will roll smoothly.

\$12.95 retail

South Bay Software; PO Box 969; Millbrae, Calif. 94030; 415-579-5455

### MouseTracer

MouseTracer is a metal drafting arm and wooden drawing board that allows users to trace existing artwork and graphics.

\$34.95

Brimark Innovations; 9821 Yolanda Ave.; Northridge, Calif. 91324; 818-885-8660

### Mouse-Trap

Mouse-Trap provides a convenient storage place for the mouse and attaches to any smooth surface by means of self-adhesive Velcro pads.

\$9.95 retail

RAEX Enterprises; PO Box 327; Beloit, Wis. 53511; 608-365-9798

### Moustrak

The Moustrak Mouspad is a foam-rubber pad that allows the user to roll the mouse with greater speed and accuracy.

\$7.95 to \$10.95 retail

Moustrak, Inc.; 3047 St. Helena Hwy.; St. Helena, Calif. 94574; 707-963-8179

### Nortronics Mouse Cleaning Kit

The Mouse Cleaning Kit contains everything necessary to keep a mouse clean and in good working condition.

\$17.95 retail

Nortronics Company, Inc.; 8101 10th Ave. North; Minneapolis, Minn. 55427; 800-328-5640

### Oak Disk Cube

The 3½-inch Oak Disk Cube holds up to 50 3½-inch disks.

\$39.95 retail

M&M Micro Accessories; 1533 Ralston Ave.; Burlingame, Calif. 94010; 415-342-2591

### The Paper Saver

The Paper Saver stops tractor-fed paper from curling into the single-sheet slot.

\$6 retail; Imagewriter

\$8 retail; Imagewriter Wide Carriage

Ferro Enterprises; PO Box 2151; La Jolla, Calif. 92038; 619-456-2213

### Pneu-Mouse

Pneu-Mouse is a slippery, pneumatically elevated platform on which the Macintosh mouse rests for frictionless movement.

\$74.95 retail

Pneu-Mouse Corporation; 194 Spencer Ln.; Nashville, Tenn. 37210

### The Printer Stand

The Printer Stand elevates your printer to a 45-degree angle for maximum readability.

\$44.95 retail; The Printer Stand

\$49.95 retail; The Printer Stand wide model  
Murphy Engineering Co., Inc.; 809 E. Chestnut St.; Boonville, Ind. 47601; 800-372-7980 or 812-897-0490

### Ribbons, Color and Heat Transfer

\$9 retail; Color ribbons

\$12 retail; Heat transfer ribbons

Sharp Color; PO Box 1442; Lancaster, Ohio 43130; 614-687-0129

### Ribbons, Process Color

These Imagewriter color ribbons allow users to print multicolored drawings and art-

work. A set includes one yellow, one magenta, and one cyan ribbon.

\$29.95 retail per set

Esoft Enterprises; PO Box 179; Owasso, Okla. 74055; 918-272-7616

### Ring King Products

*Micro Diskette Looseleaf Files*—nonglare, antistatic vinyl protection for two 3½-inch micro diskettes.

*Diskette Storage Tray*—protects up to 50 3½-inch micro diskettes in a tough, durable co-polymer shell.

*Looseleaf File Panel*—stores two 3½-inch micro diskettes and is compatible with either 8½- by 5½-inch or 9½- by 6-inch software manuals.

*Looseleaf Files*—nonglare, antistatic vinyl protection for six 3½-inch micro diskettes.

\$.80 retail; Micro Diskette Looseleaf Files

\$26.95 retail; Storage Tray

\$1.75 retail; Diskette File Panel

\$1.10 retail; Looseleaf Files

Ring King Visibles, Inc.; 2210 Second Ave.; Muscatine, Iowa 52761; 319-263-8144

### Trav-L-Case

The Trav-L-Case is constructed of plywood with vinyl covering. The interior is Ethafoam padding custom formed for Macintosh equipment.

\$219 to \$269 retail

Computer Case Co.; 3947 Danford Sq.; Columbus, Ohio 43220; 614-876-1784 or 800-848-7548

### Weber & Sons Products

*Color Coded Disk Labels*—available in red, yellow, green, orange, pink, and white.

*Disk File System*—holds 90 to 100 3½-inch disks.

*Macintosh Kit*—contains 25 antistatic disk jackets with pockets and color-coded insert cards; 120 color-coded labels; one disk file; and one disk holder stand.

\$4.95 retail; Set of 120 labels

\$9.95 retail; Disk File System

\$49.95 retail; Macintosh Kit

Weber & Sons, Inc.; 3468 Hwy. 9, RD #4; Freehold, N.J. 07728; 201-431-1128



## BOOKS

### 101 Ways to Use a Macintosh: A Practical Guide For The Rest Of Us

\$14.95 retail  
Random House, Inc.; 201 East 50th St.; New  
York, N.Y. 10022; 800-638-6460

### AIM Buyer's Guide To Apple Computers

\$12.95 retail; or \$45 with 12 monthly  
updates  
Association of Independent Microdealers;  
3010 N Sterling Ave.; Peoria, Ill. 61604;  
309-685-4843

### Beginning Basic with the Apple Macintosh

**How To Use the Apple Macintosh**  
\$23.95 retail; Beginning Basic with the Apple  
Macintosh  
\$3.50 retail; How To Use the Apple  
Macintosh  
Alfred Publishing Co.; 15335 Morrison St.;  
Sherman Oaks, Calif. 90403; 818-995-8811

### The Book of Apple Macintosh Software

#### MacArt: Using MacPaint and MacWrite

\$19.95 each  
Arrays, Inc./The Book Division; 11223 South  
Hindry Ave.; Los Angeles, Calif. 90045;  
213-410-9466

### Brady Communications Books

\$18.95 retail or \$43.95 retail with diskette;  
Macintosh Assembly Language  
\$19.95 retail; Microsoft BASIC for the  
Macintosh  
\$15.95 retail or \$40.95 retail with diskette;  
Inside the Macintosh  
Brady Communications Co., Inc.; Bowie, Md.  
20715; 800-638-0220 or 301-262-6300

### CBS Educational and Professional Publishing Books

\$16.95 retail; MacWrite Made Easy  
\$17.95 retail; Macintosh Assembler  
\$9.95 retail; The Graphic Macintosh Book  
\$17.95 retail; Graphics For The Macintosh:  
An Idea Book  
\$17.95 retail; MacWrite: Guide for Students  
and Business Professionals  
\$14.95 retail; Macintosh BASIC  
\$11.95 retail; Mouse Magic For Kids...And

Parents, Too!, Book 1  
\$11.95 retail; Mouse Magic For Kids...And  
Parents, Too!, Book 2  
\$11.95 retail; Mouse Magic For The Entire  
Family  
\$17.45 retail; The MAC Book: Using Your Ap-  
ple Macintosh Computer  
CBS Educational and Professional Publishing;  
383 Madison Ave.; New York, N.Y. 10017;  
212-872-2619

### Einstein's Illustrated Guide to the Apple Macintosh

\$9.95 retail  
Harcourt Brace Jovanovich, Publishers; 1250  
Sixth Ave.; San Diego, Calif. 92101;  
619-231-6616

### Hayden Books

\$18.95 retail; Basic Microsoft BASIC for the  
Macintosh  
\$18.95 retail; Introduction to Macintosh  
BASIC  
\$14.95 retail; MacBook—The Indispensible  
Guide to Software and Peripherals  
\$16.95 retail; Macintosh Multiplan  
\$24.95 retail; Macintosh Revealed—Volume  
One, Unlocking the Toolbox  
\$29.95 retail; Macintosh Revealed—Volume  
Two, Programming with the Toolbox  
\$49.95 retail; Personal Financial Advisor—  
Managing and Making Money with Multiplan  
Hayden Book Company; 10 Mulholland Dr.;  
Hasbrouck Heights, N.J. 07604; 800-631-0856  
or 201-393-6300

### How To Use The Macintosh The Macintosh Apple: A Comprehensive Reference Guide

\$7.95 retail; How To Use The Macintosh  
\$14.95 retail; The Macintosh Apple: A Com-  
prehensive Reference Guide  
dillithium Press; 8285 SW Nimbus, Suite 151;  
Beaverton, Oreg. 97005; 503-646-2713

### Introducing Macintosh

\$7.95 retail  
Collins Professional and Technical Books; 8  
Grafton St.; London W1X 3LA; 01-493-7070

### Introducing The Apple Macintosh Macintosh User's Guide

\$12.95 retail; Introducing The Apple  
Macintosh  
\$16.95 retail; Macintosh User's Guide  
Howard W. Sams & Co., Inc.; 4300 West  
62nd St.; Indianapolis, Ind. 46268;  
800-428-7267 or 317-298-5400

### John Wiley & Sons Books

\$16.95 retail; MACINTOSH: A Concise Guide  
to Applications Software  
\$49.95 retail; Generic Data Structure Compo-  
nents in Modula-2  
\$39.95 retail; MacArt for Business  
\$23 retail; disk only  
Available Fall  
\$49.95 retail; Using Lotus's JAZZ  
\$34.95 retail; disk only  
John Wiley & Sons; 605 Third Ave.; New  
York, N.Y. 10158; 212-850-6336

### Learning Microsoft Basic For The Macintosh

\$19.95 retail  
CompuSoft Publishing; 535 Broadway; El Ca-  
jon, Calif. 92021; 619-588-0996

### Mac Developer's Guide

A guide that describes the details of Macin-  
tosh application development. The enclosed  
program is written on diskette and is self-  
starting.  
\$24.95 retail  
MicroStrategies; 11409 28th Dr. SE; Everett,  
Wash. 98204; 206-337-2849

### Macintosh Pascal

\$19.95 retail  
Computer Science Press, Inc.; 11 Taft Ct.;  
Rockville, Md. 20850; 301-251-9050

### Macintosh Pascal Illustrated

\$16.95 retail  
Addison-Wesley Publishing Co.; Two Jacob  
Way; Reading, Mass. 01867; 617-944-3700

### Macintosh Typefaces, a Reference Guide to Shapes, Sizes and Styles

\$14.95 retail  
Houlberg Development; PO Box 271075; Es-  
condido, Calif. 92027; 619-747-6379

### Osborne/McGraw-Hill Books

\$14.95 retail; Microsoft Word Made Easy  
\$14.95 retail; Multiplan Made Easy  
\$17.95 retail; Using Macintosh BASIC  
\$16.95 retail; MacTelecommunications  
\$11.95 retail; Using MacWrite and MacPaint  
\$17.95 retail; Using Macintosh Pascal  
\$18.95 retail; The Microsoft BASIC Book  
Osborne/McGraw-Hill; 2600 Tenth St.; Ber-  
keley, Calif. 94710; 800-227-2895 or  
800-772-4077



## **Programming Macintosh BASIC**

\$17.95 retail

Burgess Communications; 2455 Bennett Valley Rd., Suite 212A; Santa Rosa, Calif. 95404; 707-523-7533

## **Scott, Foresman and Company Books**

\$15.95 retail; MAC POWER: Using Macintosh Software

\$9.95 retail; MacCats: 99 Ways to Paint a Cat with MacPaint

Available Summer

\$18.95 retail; Multiplan Mastery on the Macintosh

\$17.95 retail; Microsoft BASIC 2.0 Programming for the Mac

\$16.95 retail; Getting Inside the Macintosh: A Programmer's Guide

Available Fall

\$18.95 retail; 58 Business Programs for the Macintosh

\$14.95 retail; The Jazz Book

\$14.95 retail; MacGraphics for Business  
Scott, Foresman and Company; 1900 East Lake Ave.; Glenview, Ill. 60025; 312-729-3000

## **PUBLICATIONS**

### **1984 Annual Microindex-Mac Edition**

The Annual Microindex contains references from many magazines, periodicals, and newsletters to both Macintosh and Macintosh XL articles, reviews, notes, and product announcements for 1984.

\$17.95 retail

Serious Personal Computing; PO Box 7059; South Nashua, N.H. 03060; 603-888-1376

### **Helix User News**

A monthly newsletter that provides new product announcements, tips on how to use the Helix program, a descriptive list of specific applications developed by Helix users, a classified section, and more.

\$19 per year

Helix User Service; 3511 Sheridan; Des Moines, Iowa 50310; 515-279-4212

### **Macazine**

Magazine on disk

Macazine is a bimonthly publication on disk.

\$60 per year

Dail's Software Company; PO Box 2861; Newport News, Va. 23602; 804-874-0347

### **MACazine Magazine**

MACazine is a monthly Macintosh magazine that specializes in user-friendly product reviews, articles, hints, tips, new product information, and more.

\$18 per year

Icon Publishing Corp.; 113 East Tyler St.; Athens, Texas 75751; 214-677-2793

### **MacBriefs**

An encyclopedic digest of Macintosh published information.

\$12 per year

Future Now Communications; PO Box 2178; Huntington Beach, Calif. 92647; 714-842-0518

### **The Macintosh Connection Newsletter**

The Macintosh Connection contains news, tips, trends, product sources, reviews, and articles on new technology.

\$35 for 10 issues

Hi-Tek Publications; PO Box 99; North Salem, N.H. 03073; 603-893-2485

### **Macintosh Office News Macintosh Office Reports**

The Macintosh Office News is a bi-monthly newsletter about using Macintosh in the office. Macintosh Office Reports are specific, vertical-market studies.

\$110 retail; Macintosh Office News per one-year subscription

Prices vary; Macintosh Office Reports  
Tekdoc; PO Box 252; North Andover, Mass. 01845; 617-689-9449

### **Mac-Mania Newsletter**

Mac-Mania is a bimonthly newsletter described as "an information exchange for Macintosh users."

\$20 per year

Smart Mart Press; 4589 70th St.; La Mesa, Calif. 92041; 619-469-1090

### **MacNews Update Newsletter**

MacNews Update comes out eight times per year and is devoted to news and reviews.

\$15 per year

MacNews; 110 Baldwin St.; Fall River, Mass. 02720; 617-678-6282

### **MacPoint**

MacPoint is a "pointer publication" that refers readers to other sources of informa-

tion about the Macintosh computer.

\$15 for six issues

MacPoint; 5704 Harper; Chicago, Ill. 60637; 312-955-1954

### **MacPublishing Quarterly**

Explores Macintosh electronic publishing software, hardware, and applications.

\$20 per year

Future Now Communications; PO Box 2178; Huntington Beach, Calif. 92647; 714-842-0518

### **Mac Tech Journal Technical journal**

The Mac Tech Journal is dedicated to the detailed analysis of Macintosh products.

\$39 for six issues

Serious Personal Computing; PO Box 7059; South Nashua, N.H. 03060; 603-888-1376

### **MacTutor**

Programming journal

MacTutor is a monthly programming journal devoted to software development.

\$24 per year

MacTutor; PO Box 846; Placentia, Calif. 92670; 714-993-9939

### **Macworld**

Monthly magazine

Macworld includes features, departments, and tips for Macintosh users in 150+ pages each month.

\$24 per year

PC World Communications, Inc.; 555 De Haro St.; San Francisco, Calif. 94107; 415-861-3861

### **Semaphore Signal Periodical**

Semaphore Signal articles deal primarily with product reviews and reader correspondence.

Free in the U.S.

Semaphore Corp.; 207 Granada Dr.; Aptos, Calif. 95003; 408-688-9200

### **SoftSpot Magazine Magazine on disk**

*System Requirements: 128K or 512K Macintosh.*

SoftSpot is a monthly magazine on a disk.

\$199 for 12 issues or \$19.95 each

SoftSpot Magazine; 18032-C Lemon Dr.; Yorba Linda, Calif. 92686; 714-779-2922



## SERVICES

### Compu-Print

#### On-line service

Compu-Print is a service that enables users to send files through a modem for typeset output. Typeset copy is mailed the next day.

\$62 per year

C-Band DBS/Encycloware; 715 Washington St.; Ayden, N.C. 28513; 919-746-2773

### Graphic Design Services

21st Century Software offers two graphic design services to Macintosh owners. First, they will convert your MacPaint document to a start-up screen.

Second, the company will design custom fonts in any size from six to 36 points.

\$20 retail for start-up screen conversion

\$30 to \$35 retail for custom screens in the company's catalog

\$5 retail per point size for each custom font  
21st Century Software; 2306 Cotner Ave.; Los Angeles, Calif. 90064; 213-829-4436

### MacNet/News

#### On-line services

MacNet/News is an on-line consulting and information network that offers users support activities.

\$25 per year; \$1.25 per minute on-line time  
The Networkers; 3500 Market St., #103; San Francisco, Calif. 94131; 415-550-1710

### MacPaint Typesetting

Macintosh users can have their MacPaint files typeset. Send your Macintosh diskette and they will return high-resolution documents on photographic typesetting paper within 72 hours after receipt.

\$9.95 per file

Aptos Post Typography; PO Box 910; 8058 Valencia St.; Aptos, Calif. 95001; 408-688-7474

### Screens

#### High-resolution prints

This process reproduces full screens exactly as they appear as high-resolution typeset documents.

\$12 each print, including reduction as requested

George Graphics; 650 2nd St.; San Francisco, Calif. 94107; 415-397-2400

### TechniCall

#### Telephone support

TechniCall is a service designed to provide immediate help to Macintosh owners. As a subscriber, you have toll-free access to a responsive team of Apple experts.

\$15 retail; Per solution

\$89 retail; 10-solution subscription

InterSol, Inc.; 75 Hancock St.; Braintree, Mass. 02184; 617-848-7222

### Tyetronics

#### Typesetting service

Tyetronics receives Macintosh or other word-processed files for professional typesetting output.

Stylo Software, Inc.; PO Box 916; Idaho Falls, Idaho 83402; 208-529-3210

## USER GROUPS

### Berkeley Macintosh Users Group

#### User group

Membership includes a 100-page plus newsletter and access to dozens of public-domain programs.

\$15 per semester retail

Berkeley Macintosh Users Group; 1442A Walnut St.; Suite 153; Berkeley, Calif. 94709

### The Boston Computer Society

#### User group

The Boston Computer Society; One Center Plaza; Boston, Mass. 02108; 617-367-8080

### Club Mac

#### User group

Club Mac is a national information exchange for Macintosh users.

\$35 membership fee

Club Mac; 735 Walnut; Boulder, Colo. 80302; 303-449-5533

### Los Angeles Macintosh Group

#### User group

Los Angeles Macintosh Group; 12021 Wilshire Blvd., #349; Los Angeles, Calif. 90025; 213-392-5697

### MacProgram UnLimited

#### User group

MacProgram UnLimited Users Group; 1737 Solano Ave., P-2; Berkeley, Calif. 94707; 415-527-1756

## Advertiser Index

### Reader

#### Service #

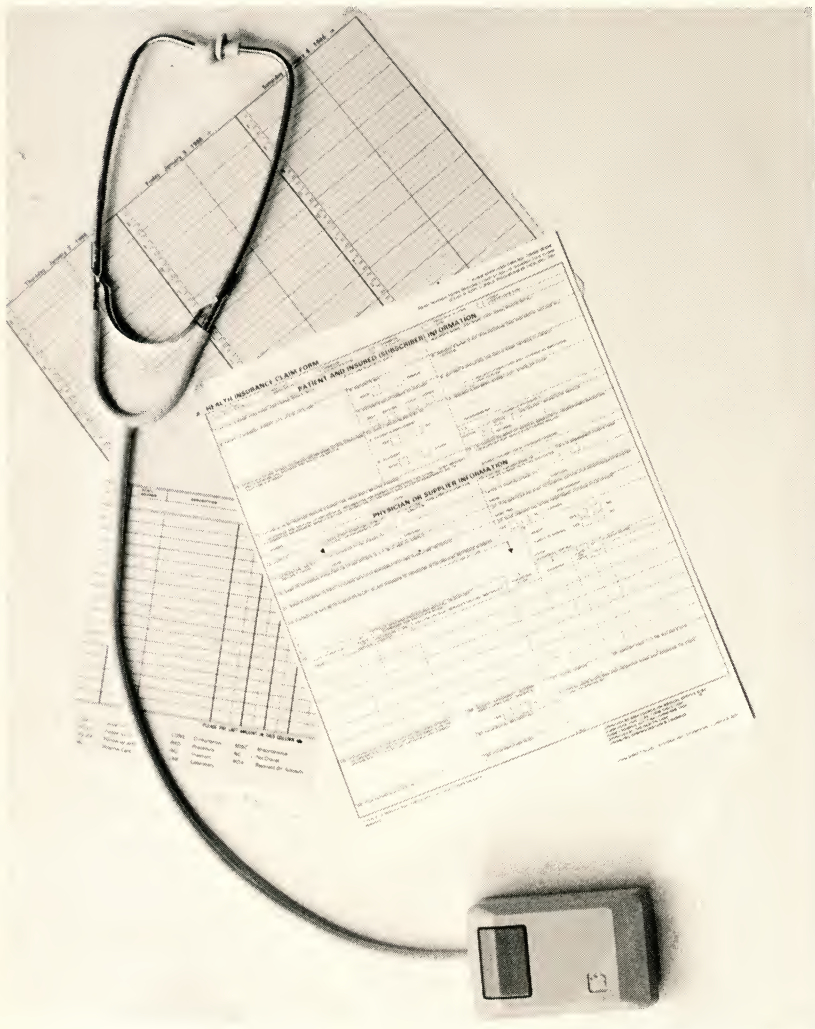
#### Advertiser

—	Apple Computer, 50-51
38	Applied Logic Systems, Inc., 109
39	Apropos Software, Inc., 111
04	Assimilation, Inc., 11
05	Assimilation, Inc., 13
06	Assimilation, Inc., 15
43	Avenue Software, 121
47	Boston Software Publishers, 129
49	CWare Corp., 133
32	Central Point Software, Inc., 103
33	Comark, 103
45	CompServCo, 122
28	Corvus Systems Inc., 89
41	DataViz, Inc., 115
01	Digital Etc., IFC-1
16	Dow Jones & Company, Inc., 53
02	EnterSet, 3
17	Expeffelligence, Inc., 55
15	Hayes Microcomputer Products, Inc., 46-47
44	Hippopotamus Software, Inc., 122
51	Innovative Data Design, 137
23	Intermatrix, 75
48	John Wiley & Sons, 130
08	Kensington Microwave Ltd., 18-19
14	Living Videotext, Inc., 43
—	MACWORLD Exposition, 68-69
35	MacBriefs Digest, 105
21	Manhattan Graphics Corp., 65
09	Maxell, 21
12	Mesa Graphics, 37
11	Micro Connection, Inc., 32-35
—	MicroGraphic Images Corp., 135
—	Microsoft Corp., 4-5
—	Microsoft Corp., 26-27
—	Microsoft Corp., 45
24	Monogram, 79
36	Moustrak, 107
53	Mycroft Labs, Inc., 145
37	New Image Technology, Inc., 107
29	Northeastern Software, 91
31	Odesta Corp., 99
20	Optimum Computer Luggage, 63
46	Organization Development Software, 125
13	PC Network, 40-41
25	Palantir Software, 81
18	Personal Computer Peripherals Corp., 59
54	Programs Plus, 147
26	Prometheus Products, Inc., 83
10	Rio Grande Software, 23
40	Satori Software, 115
34	Software Masters, 105
30	StatSoft, 95
42	StatSoft, 119
55	State of the Art, Inc., IBC
22	Systems Control, 73
56	Tecmar, BC
52	Tess Data Systems, 143
19	Thunderware Inc., 61
07	ValueSoft Inc., 17
27	Videx, Inc., 85
03	Warner Software, 7



# Introducing! TessSystem One™ Medical Office Management For The Macintosh™

Finally, someone has designed a medical office management system that is easy to use. TessSystem One™. It lets you run your medical office the way you have always wanted to, quickly and effectively.



TessSystem One is the first medical office management system designed specifically for the Macintosh. It is an accounts receivable package, an appointment calendar and a patient management system combined into one fully integrated system. TessSystem One is fast. You can move from one application to the other, instantly. You don't waste time putting an application away. It saves you time and makes you efficient.

TessSystem One is flexible. You create your own procedure and diagnosis dictionaries that apply specifically to your practice. And you can use those codes to print standard AMA insurance forms, monthly statements and patient receipts. Whenever you need them. If you are looking for the most efficient way to manage your medical office, contact your local authorized TessSystem One dealer or call Tess Data Systems, Inc. You'll be on your way to being the most efficient you can be.

Tess Data Systems, Inc.  
17070 Red Oak Drive, Suite 403B  
Houston, Texas 77090  
(713) 440-6943

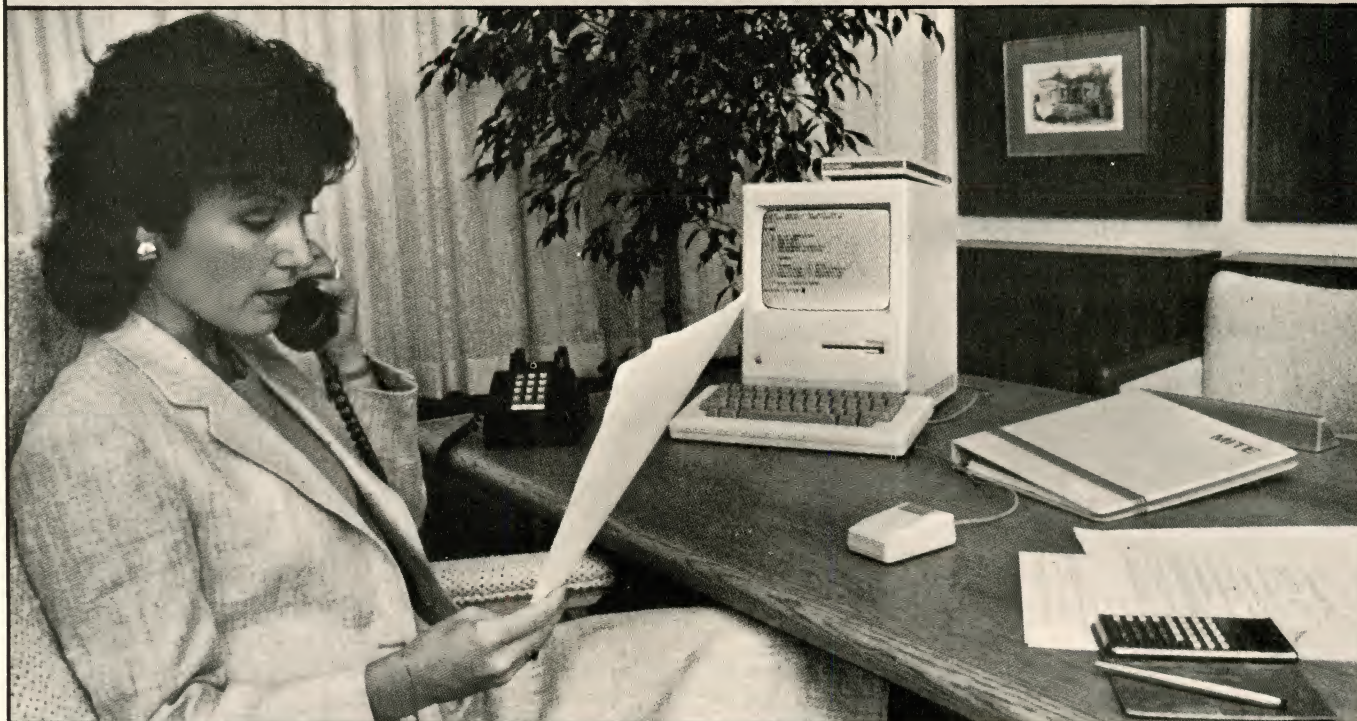


# Comprehensive Listing of all Entries by Product Name.

1stBASE	105	ConcertWare	31	Fontastics I & II	92
1stMerge	119	Consultant	110	Forbidden Quest and Gateway	124
1stPORT	101	COPY II MAC	119	Forecast	97
31 All-Time Favorite Programs	128	Corvus OmniDrive	131	Forecasting and Time Series	52
3Com EtherSeries	107	CP/M For The Macintosh	119	Foreign-Language Fonts	121
500 Menu Patterns for MacPaint	102	Crop/Livestock Profit Projector	115	Fortran-77 Development System	113
512K Upgrade	131	Crosby Designer Dust Covers	136	FrontDesk	116
512K and 1 Megabyte Upgrade	131	CRTplus	115	Frontrunner Accessories	136
A-B Box	136	Crunch	80	Gallery	100
Accessory Pak #1	84	Da Poma GB	115	Granny Smith Connection	132
Advanced Development Tool Kit	113	DASCH	131	Graphics Magician	37
AELM-51 Assembler/Editor/Loader	56	DataFast	39	GRIDS	25
Airborne!	124	DataPak Games	124	GriffinTerminal	28
Alphacom 81 and AlphaPro	131	Datapen	131	GriffinTerminal 100	28
Alphacom Traveler	131	DataTalker/MAC	131	GriffinText	92
ALPS Writing Lab	107	daVinci Building Blocks	115	Gypsy	124
Animation Toolkit #1 Advanced	31	daVinci Series	115	Haba Check Minder	127
Animation Toolkit #2	31	dbForm	110	HabaCom	101
Ann Arbor Games	124	dbPay	100	Habadex	112
Apple Computer Hardware	131	Davong Mac Disk	131	HabaDialer	132
Apple LaserWriter	107	Day Keeper Calendar	112	HabaDisk With Software Bundle	132
AppleTalk Bernoulli Box	107	DB MASTER	105	HabaRack	136
AppleTalk Personal Network	108	DejaVu	124	HabaSolutions	112
Applied Micro General Ledger	100	Deluxe Music Construction Set	36	Haba WindowDialer	112
Art Grabber with Body Shop	84	Dental Management System	74	Hardisk Accounting	101
Auto Accountant Business Series	24	Designs for MacPublishing	36	Harmony	106
Auto-Dimensioner and Formatter	72	DesignWorks	115	Hayden Games	124
Avatar PA1000	131	The Desk Organizer	112	Hayden:Speller	121
Aztec C68k-c	113	Desk Pak	48	Headline Graphics	103
BASIC for Scientists and Engineers	60	DeskNet	101	HealthCare Management	116
BLAST	101	DeskToppers	112	Hearts	124
Back to Basics Accounting	100	DeSmet C	56	HebreWriter/Graphics	121
Basic Telecommunications	118	DietMac	115	HI-80	132
Beamac	62	Dimensional Filer	105	High Flyers Vol. 1	103
BenchTop Instrument BEN-2048	131	Disk Album	136	Hippo Computer Almanac	128
The BenchTop	62	Diversified Hardcover	136	Hippo-C Levels 1 and 2	113
BI-2	56	The DNA Inspector	115	Hippo-Lock	119
Biblio-Link	117	DocuMentor	121	The Home Accountant	12
The Big Mac Monitor	131	Dollars and Sense	127	The Home Executive	127
BIZMAC Client Write-Up	100	DrawForms	49	The Housekeeper	97
BIZMAC Small Business	100	Easy Trace	36	HP Laser Program	119
Blue Chip Games	124	Eat N.Y.	128	Human Edge Software	000
Brock Keystroke	105	Eichner Locking Diskette File	136	HumanForms	116
Bulk Mailer	116	Electric Checkbook	127	HyperDrive	132
Business Analysis	110	Electro Bits	62	I-Basket	136
Business Essentials	54	Electronic PAD	116	IBMacBridge	132
Business Forms 1	110	Elegant Custom Dust Covers	136	I.E.S. DiskSurgeon	86
Business Training	118	Engineering Tool Kit	64	"I Know It's Here Somewhere!"	105
Cat Communication System	131	Ensemble	106	Income Tax Solver	127
CBS Games	124	Entrepreneur	82	Infotek Accessories	137
Championship Baseball	124	Epson Printers	131	Infotek Hardware/Software Products	132
Checkwriter	127	Epstart Version 2.0	84	In-House Accountant	24
ChequeBook	127	Esoft Ribbons	139	Instructional Software	123
ChipWits	123	ExperLisp	56	inTouch	101
CineMac	131	ExperLogo	8	Inventory Manager	111
Classic Adventures	126	Express Computer Supplies	136	Inventory Manager	116
ClickArt Effects	102	Facilitator	49	Invenu	111
ClickArt Letters	121	Factfinder	10	Investment Planning Series	127
ClickArt Personal Graphics	102	Farm Management	116	Investment Tax Analyst	127
ClickArt Publications	102	Farm Management	64	The Investor's Challenge	95
ClickOn Worksheet	118	Feathers & Space	124	The Investor	128
ColorPrint	119	Fiberbilt Cases	136	I/O Design Accessories	137
The Communication Edge	111	FileMaker	39	Island CP/M	86
Complete Accounts	100	Filevision	105	Jazz	106
Composite Video Adaptor	131	Financial Cookbook	97		
Computer Graphics Color Packet	136	Financial Overlays for Multiplan	110		
ComputerAid Covers; MacSack	136	Financial Planning Series	127		
ComputerPhone	131	Financial Utilities Pak	49		
		FlexFile	105		
		Flowcharting Templates	71		
		Fluent Fonts	121		
		FONTastic	92		



# MITE Lets Your Macintosh Really Communicate!



## Is the Sales Report Ready? Then **"MITE It To Me!"**

With MITE, the industry's most powerful and easy-to-use data communications program, the world of online information is as close as your Macintosh. With the power of MITE you can automatically log-on and download information from your favorite information service. MITE takes full advantage of the Macintosh user interface, including pulldown menus, mouse control of all commands and complete access to the Macintosh Desk Accessories. MITE supports several different error checking protocols including the industry standard XMODEM protocol. MITE is fully

compatible with Apple's MacTerminal program, and it will allow you to transfer any Macintosh file with another Mac or any other computer for which MITE is available. MITE will even translate TEXT file formats to CP/M or MSDOS during a protocol file transfer.

MITE is also available for over 130 different computer systems including the IBM PC/XT/AT/jr, AT&T 6300, Sanyo 555, Tandy 2000, and Kaypro.

*The suggested list price of MITE for the Macintosh is \$145.00. Dealer and Distributor inquiries are encouraged*

Macintosh and MacTerminal are registered trademarks for Apple Computer

*Physical Address:*  
2615 North Monroe Street  
Tallahassee, FL 32303

**MYCROFT  
LABS INC**

*Mailing Address:*  
P.O. Box 6045  
Tallahassee, FL 32314  
Telephone (904) 385-1141



Jolly Times	124	MacDrive	133	MacStat.Pak	71
The Jovian Database System	106	MacEdge II	96	MacTablet	134
Justin Case	137	MacEngineer	116	MacTerm	102
KAT	132	MacEnhancer	133	MacTerminal	102
The Keeper	108	Mac Epson Connection	119	MacTest	120
Kensington Cleaning Kits	136	MacFats	116	Mac The Knife/Volume 2	122
Kensington Covers	136	MacFats Storyboarder	116	Mac The Knife/Volume One	103
Kensington Maccessories	138	MacFinance	111	Mac The Linguist	122
Klondike	124	MacFits	116	Mac the Logician	117
Knowledgedisk	64	MacForms	111	MacTilt	138
LaserBase	42	MacFORTH	114	MacTools	138
Learn About the Solar System	123	MacFORTH Level 3 Developer's Kit	57	MacTote	139
Learning Multiplan and Chart	82	MacFortran	114	Mac Tracks	120
Legacy	124	MacGAS	122	Mac Turbo Touch	134
Legal Billing	116	MacGammon!	126	MacType	118
Letter Helper	93	MacGard	138	MacUtil	120
LetterWare	86	MacGene	116	MacVision	103
LEXIS/NEXIS	101	MacGrid	103	Mac Zap!	120
LightSource	113	MacHome	128	MAGIC	104
L.I.N.E.A.C.	132	Macinshots Photo Album #1	103	Magic Font Editor	87
Linear and Non-linear Programming	57	MacInTax	128	Magic Slate	38
Loan Calculations/Comparisons	111	Macintosh 3.5" Head Cleaning Kit	138	Mail Center	108
Lock-It	119	Macintosh Case	138	The Management Edge	110
Lode Runner; Cyborg	124	Macintosh Kit; Micro DiskFiler	138	Market Link	30
LogarithMac	66	Macintosh Modular Computer Bag	138	Market Manager PLUS	127
Logo for the Macintosh	113	Macintosh Pascal	114	MasterFORTH	58
Mac2624	28	MacJob	130	The Master	123
Mac488A	133	Mac Junior Ledger	101	MasterType	123
MAC/3000	29	MacKablit	138	MathFlash	123
MacAccountant	101	MacKeymeleon	86	MathPak	117
MacAdvantage:MailManager	106	MacLabeler	112	MatrixWare	86
MacAdvantage: UCSD Pascal	114	MacLanguage Series	57	McCAD	71
MacAIDE	108	MacLink	102	McCAD	72
MacAlmanic	128	MacLion	14	McFlip; McTrivia	126
MacASM	114	MacLock	138	McPic! and McPic! Volume 2	104
MacAtlas, Volume 1	66	MacMail	29	Media Mate 3; DiskBank 3	139
MacAttack	124	MacManager+	70	Medical Management System	76
MacAw Coloring Book	123	MacManager	126	MegaDesk	113
MacBackup	119	MacMate!	120	MegaFiler	106
Mac-Barcode; Scanstar-Mac	116	MacMemories Series	37	MegaForm	108
Mac Bar Code Printing Program	66	Mac Memory Disk	120	MegaMac and MegaRAM	134
MacBible	128	MacModem	133	MegaMerge	122
MacBoard	133	MacModula-2	114	Megamax C	114
Macbottom	133	MacMonitor; MacInterface	133	MICRO-IMAGER	104
Mac Business	101	MacMOS	70	MicroLine 192/193	134
MacCAD	67	MacMuscle	130	Micro Planner	112
MacCalendar	112	MacNews Public Domain Software	130	Microsoft BASIC	114
Mac C and Mac C Toolkit	114	MacNosy	58	Microsoft CHART	101
Maccessories Graphic Accents	103	MacNotes	122	Microsoft FILE	106
Maccessories Portable Modem	133	MacOffice	112	Microsoft WORD	122
MacCharlie	133	MacOffix	106	M.I.D.I. Conductor	134
MacCheck	128	MacPlot	120	Mighty Mac	113
MacChip	116	MacPlots II	120	The Mind Prober	111
MacChoice	111	Mac Port Adaptor	133	Minicad 3D-Designer	72
MacCoach	118	Mac Private Eye	134	Missing Link	134
MacColby	133	MacProColor System	138	MITE	102
MacCommand	124	Mac Products	138	Money Maker	98
MacComp	67	MacProject	117	Money Market	98
MacControl	67	MacPublisher	117	Mortgage Switch Calculator	117
Maccountant	101	Macquisition	70	Mouse Exchange BBS	102
Mac Daisywheel Connection	119	MacSampler	130	Mouse Exchange Terminal	102
MacDasher	29	MacScience	117		
MacDesk	112	The Mac's Core	114		
MacDraw	116	MacScreen Gems	87		
		MacSlide Maker	134		
		MacSlideshow	103		
		Mac-Slots and High Rollers	126		
		MacSpeak	138		
		MacSpell+	122		
		Mac Spell Right	122		
		MacStat	117		
		MacStation	138		



## Backup and Utility Software

<b>Assimilation Process</b>	
Lock It	20.00
Mac Memory Disk	20.00
Mac Mouse Tracks	20.00
<b>Bay Systems Software</b>	
MacCrackPak II	59.00
<b>Central Point Software</b>	
Copy II Mac	22.00
<b>Hippopotamus Software</b>	
Hippo-Lock	85.00
<b>Ideaform</b>	
Mac Labeler	38.00
<b>MicroAnalyst</b>	
MacZip	39.00
<b>Mainstay</b>	
MacBooster	60.00
<b>Nevins Microsystems</b>	
TurboCharger	69.00
<b>Protect-It Software</b>	
ProCopy	32.00
<b>PCA Software</b>	
MacBackup	45.00
<b>Southeastern Software</b>	
Mac Transfer	32.00
<b>Tardis Software</b>	
Fast Finder	65.00
<b>Tesseract Software</b>	
MacCopy	54.00

## Desk Accessory Programs

<b>EnterSet</b>	
QuickSet	69.00
<b>Haba Systems</b>	
Haba Window Dialer	34.00
<b>Intermatrix</b>	
MacDesk	69.00
<b>Harvard Associates</b>	
Desk Toppers	34.00
<b>Macadam Publishing</b>	
Window Calendar	35.00
Window Phone Book	56.00
<b>MegaHaus</b>	
MegaDesk	75.00
<b>T/Maker</b>	
ClickOn Worksheet	49.00
<b>Videx</b>	
MacCalendar	52.00

## Languages

<b>Apple Computer</b>	
MacPascal	99.00
<b>Consular</b>	
Mac C/Mac C Toolkit	249.00
<b>Creative Solutions</b>	
MacForth Level I-Exp. System	89.00
MacForth Level II-Prof. System	139.00
MacForth Level III-Dev. Kit	Call
<b>Expertelligence</b>	
ExpertLogo	81.00
ExpertLisp	289.00
<b>Hippopotamus Software</b>	
Hippo-C Level 1	107.00
Hippo-C Level 2	179.00
<b>I.Q. Software</b>	
CP M For The Macintosh	295.00
<b>Mainstay</b>	
MacASM	75.00
<b>Manx</b>	
Aztec C68K-C	369.00
<b>Megamax, Inc.</b>	
Megamax C Compiler	199.00
<b>Microsoft</b>	
Microsoft Basic	89.00
<b>SoftTech Microsystems</b>	
Mac Advantage, UCSD Pascal	199.00
UCSD Pascal Development System	135.00
UCSD Pascal Language Compiler	105.00
Fortran 77 Development System	205.00
Fortran 77 Language Compiler	169.00
Advanced Development Tool Kit	109.00
<b>Softworks Limited</b>	
Softworks C Compiler	259.00

## Communications Software

<b>Apple Computer</b>	
MacTerminal	85.00
<b>Haba Systems</b>	
HabaCom	48.00
<b>Hayes Microcomputer</b>	
Smartcom II	92.00
<b>Compuserve</b>	
Compuserve Starter Kit	23.00
<b>Desktop Software</b>	
1st Port	59.00
<b>Dilithium Press</b>	
PC to Mac and Back with Cables	89.00
<b>Dow Jones</b>	
Straight Talk	47.00
<b>Mainstay</b>	
Telescape	79.00
<b>Mycroft Labs</b>	
Mite	105.00
<b>Software Masters</b>	
In Touch	99.00
<b>Source Telecomputing</b>	
On-Line Information Network	31.00
<b>Southeastern Software</b>	
Mac Transfer	32.00

## Business Software

<b>Advanced Logic Systems</b>	
Mighty Mac	61.00
<b>Apple Computer</b>	
MacProject	99.00
<b>Artsci</b>	
SoftForms	25.00

## Assimilation Process

Mac Spell Right	64.00
The Right Word	64.00
<b>Boston Software Publishers</b>	
The MacPublisher	75.00
<b>Computer Software Design</b>	
MacLion	224.00
<b>Creighton Development</b>	
MacHome	32.00
MacOffice 2	32.00
MacSpell+	61.00
<b>DataPak Software</b>	
My Office	55.00
<b>Desktop Software</b>	
1st Base	108.00
1st Merge	59.00
<b>Dow Jones</b>	
Market Manager Plus	119.00
Spreadsheet Link	61.00
<b>Electronic Arts</b>	
Financial Cookbook	34.00
<b>Forethought</b>	
FacFinder	89.00
<b>Haba Systems</b>	
Habalex	65.00
Quartet	135.00
<b>Hayden Software</b>	
Ensemble	175.00
Hayden Speller	47.00
I Know It's Here Somewhere	37.00
<b>Human Edge Software</b>	
The Communications Edge	99.00
The Management Edge	129.00
The No Problem	29.00
The Negotiation Edge	149.00
The Sales Edge	129.00
<b>Layered</b>	
Front Desk	92.00
<b>Living Videotext</b>	
Think Tank 128	75.00
Think Tank 512	129.00
<b>Lotus</b>	
Jazz	Call
<b>Main Street Software</b>	
Main Street Filter	112.00
Main Street Writer	112.00
<b>Manhattan Graphics</b>	
Ready, Set Go	69.00
<b>MegaHaus</b>	
MegaDesk	75.00
MegaFiler	112.00
MegaForm	169.00
MegaMerge	74.00

<b>Microsoft</b>	
Microsoft File	115.00
Microsoft Chart	74.00
Microsoft Multiplan	115.00
Microsoft Word	115.00
Mac Business Pack	
Word, Multiplan, File & Chart	349.00
<b>Odesta</b>	
Helix	249.00
<b>Organizational Software</b>	
Omni 3	155.00
Omni 3	279.00
<b>ProVUE Development</b>	
OverVUE	160.00
<b>RealData, Inc.</b>	
Overlays For Multiplan	
Tax Shelter Syndication Analysis	205.00
On Schedule	135.00
Real Estate Overlays '84	105.00
Financial Overlays	70.00
Commercial/Industrial Applications	70.00
Residential Models	70.00
<b>Rio Grande Software</b>	
Softmaker II (128K)	89.00
Softmaker II (512K)	119.00
<b>Smith Micro Software</b>	
Stock Portfolio System	119.00
<b>SoftDesign</b>	
TimeBase	92.00
<b>SoftTech Microsystems</b>	
MailManager	85.00
<b>Software Arts</b>	
TK! Solver	145.00
TK! Templates	39.00
<b>Software Publishing</b>	
PFS File	70.00
PFS File/Report Combo	110.00
PFS Report	70.00
<b>Stoneware</b>	
DB Master Mac	109.00
<b>Talos</b>	
Filevision	109.00
<b>Warner</b>	
The Desk Organizer	62.00

## Accounting Packages

<b>Continental/Arrays</b>	
The Home Accountant	89.00
<b>Digital, Etc.</b>	
MacManager	134.00
<b>Intermatrix</b>	
Chequebook	32.00
<b>Haba Systems</b>	
Haba Checkminder	48.00
<b>Monogram</b>	
Dollars & Sense	85.00
Forecast	42.00
<b>Peachtree</b>	
Back To Basics-Mac	199.00
General Ledger	89.00
Accounts Receivable	89.00
Accounts Payable	89.00
<b>SoftSync</b>	
Personal Accountant	55.00
<b>State Of The Art</b>	
Electric Checkbook	49.00

## Graphics Software

<b>American SoftwerkZ</b>	
Headline Graphics	19.00
<b>Arbor Softworks</b>	
Animation Tool Kit I	35.00
Animation Tool Kit I Advanced	50.00
Animation Tool Kit II	99.00

## Axlon

Art Portfolio	36.00
Card Shoppe	36.00
<b>Casady Company</b>	
Fluent Fonts	35.00
<b>Diversions, Inc.</b>	
Underware Ribbon	12.00
Underware Color Pens	12.00
<b>Esot Enterprises</b>	
ColorPrint Software	35.00
ColorPrint Starter Kit	55.00
ColorPrint Ribbons	21.00
<b>Hayden</b>	
DaVinci: Building Blocks	47.00
DaVinci: Commercial Interiors	117.00
DaVinci: Houses	30.00
DaVinci: Interiors	30.00
DaVinci: Landscapes	30.00
<b>Kensington Microwave</b>	
Graphic Accents	31.00
Professional Type Fonts	75.00
<b>Magnum Software</b>	
MacPic! Volume 1	30.00
MacPic! Volume 2	30.00
The Slide Show Magician	36.00
<b>Matrix Advocates</b>	
Images	28.00
<b>Miles Computing</b>	
Mac The Knife Volume I	23.00
Mac The Knife Volume II	29.00
<b>Penguin</b>	
Graphics Magician	31.00
<b>T/Maker</b>	
Click Art Letters	30.00
Click Art Personal Graphics	30.00
Click Art Publications	30.00
Click Art Effects	30.00

## Educational/Creative Software

<b>ATI</b>	
MacCoach	45.00
<b>Axlon</b>	
Typing Avalanche	37.00
<b>BrainWorks</b>	
ChipWits	31.00
Teletchess	49.00
Thinkfast	25.00
<b>First Byte</b>	
Smooth Talker	89.00
<b>Forethought</b>	
Typing Intrigue	31.00
<b>Great Wave Software</b>	
ConcertWare	35.00
<b>Harvard Associates</b>	
Entrepreneur	31.00
MacManager	31.00
<b>Hayden</b>	
MusicWorks	46.00
Score Improvement System-SAT	61.00
Turbo Turtle	37.00
<b>Mark Of The Unicorn</b>	
Professional Composer	299.00
<b>Palantir</b>	
MacType	31.00
<b>Rubicon Publishing</b>	
SongPainter	43.00
<b>Scarborough</b>	
Make Millions	30.00
Mastertype	29.00
Run For The Money	30.00
<b>Simon &amp; Schuster</b>	
Typing Tutor III	35.00
Paper Airplane Construction Set	24.00
<b>TimeWorks</b>	
Evelyn Wood Dynamic Reader	43.00
<b>Think Educational</b>	
MacEdge	30.00
Mind Over Mac	30.00

## Game Software

<b>Blue Chip Software</b>	
Barron	36.00
Millionaire	36.00
Squire	36.00
Tycoon	36.00
<b>Broderbund</b>	
Cyborg	25.00
Lode Runner	25.00
<b>CBS Software</b>	
Murder by the Dozen	28.00
<b>Electronic Arts</b>	
Pinball Construction Set	28.00
Deluxe Music Construction Set	36.00
<b>General Computer Co.</b>	
Ground Zero	25.00
<b>Hayden Software</b>	
Holy Grail	31.00
Masterpieces	24.00
Perplex	25.00
Sargon III	31.00
Word Challenge II	24.00
<b>Henderson Associates</b>	
Real Poker	25.00
<b>Infocom</b>	
Cuthroats	25.00
Deadline	31.00
Enchanter	25.00
Hitchhiker's Guide to The Galaxy	25.00
Infidel	28.00
Planetfall	25.00
Seastalker	25.00
Sorcerer	28.00
Starcross	31.00
Suspect	28.00
Suspended	28.00
Witness	25.00
Zork I	25.00
Zork II or III	28.00
Invisicubes-Hint Booklets (ea.)	6.00
<b>Miles Computing</b>	
MacAttack	29.00
<b>PBI Software</b>	
Feathers & Space	22.00
<b>Penguin</b>	
Pensate	24.00
The Quest	24.00
Sylvania	24.00
Xyphus	24.00

## Professional Software

Trivia Fever	25.00
Trivia Fever Volume II	16.00
<b>Priority Software</b>	
Forbidden Quest	27.00
Gateway	30.00
<b>Sierra On-Line</b>	
Championship Boxing	24.00
Frogger	34.00
Ultima II	35.00
<b>Silicon Beach Software</b>	
Airborne!	22.00
<b>Sir Tech</b>	
Wizardry	37.00
<b>Soft Life</b>	
MacSlots	31.00
<b>Spectrum Holobyte</b>	
Gato	29.00
<b>Star Systems Software</b>	
12 Classic Adventures	34.00
<b>Telarium</b>	
Amazon	24.00
Dragon World	24.00
Fahrenheit 451	24.00
Rendezvous with Rama	24.00
<b>Videx</b>	
Fun Pack	23.00
MacCheckers & Reversi	29.00
MacGammon & Cribbage	29.00
MacVegas	35.00

## Disk Drives/Hard Disks

<b>Apple</b>	
Macintosh External Drive	399.00
<b>Corvus</b>	
5 5 MB Mac OmniDrive	1319.00
11 1 MB Mac OmniDrive	1459.00
16 6 MB Mac OmniDrive	2199.00
45 1 MB Mac OmniDrive	3499.00
<b>Personal Computer Peripherals</b>	
MacBottom Hard Disk	Call
<b>Remington</b>	
Mac External Drive (Shugart)	289.00
<b>Imega</b>	
The Bernoulli Box	1349.00
<b>Quark</b>	
QC10 Meg Hard Disk	1425.00
QC20 Meg Hard Disk	1859.00
<b>Tecmar</b>	
Mac Drive 5 MB Removable	1359.00
Mac Drive 10 MB Fixed	1359.00

## Modems

<b>Apple Computer</b>	
Apple Modem 1200 Baud	395.00
Apple Modem 300 Baud	179.00
<b>Hayes Microcomputing</b>	
Smartmodem 1200	385.00
Smartmodem 300	135.00
<b>Kensington</b>	
Portable Modem (300 Baud)	95.00
<b>Microcom</b>	
Mac Modem 1200 w/Software	399.00
Mac Modem 2400 w/Software	629.00
<b>Prentice</b>	
Popcom X-100 Modem (Mac)	279.00
<b>Prometheus</b>	
Promodem 1200 with Mac Software	339.00
<b>Novation</b>	
Cat Comm Communications System	309.00

## Printers

<b>Alphacomp</b>	
Alphaprint 101 Letter Quality Printer	299.00
Cartridge Interface for Mac	29.95
<b>Apple</b>	
ImageWriter	495.00
ImageWriter Wide Carriage	565.00
LaserWriter Printer	Call
<b>Brother</b>	
HR-15XL	369.00
HR-35	819.00
<b>C.10h</b>	
ProWriter 8510BC-2	399.00
ProWriter 8510SR	449.00
ProWriter 1550SR	589.00
<b>Epson</b>	
FX-80 with GRAFTRAX Plus	Call
FX-100 with GRAFTRAX Plus	Call
FX-80 with GRAFTRAX Plus	Call
FX-80 F/T with GRAFTRAX Plus	Call
RX-100 with GRAFTRAX Plus	Call

Circle 54

## Okidata

ML-192S Mac/Lisa	389.00
------------------	--------

## Toshiba

P-1340 Printer w/Mac Drivers	579.00
------------------------------	--------

## Blank Media

BASF 3 1/2" (5)	16.50
Maxell 3 1/2" (10)	28.00
Memorex 3 1/2" (10)	28.00
Verbatim 3 1/2" (10)	28.00
Sony 3 1/2" (10)	34.00
3M 3 1/2" (10)	35.00

## Accessories

<b>A.M. Products</b>	
3 1/2" Head Cleaning Kit	18.00



Mouse Mover	139	Professional Bibliographic System	117	Superfonts	123
Mouse Pad	139	Professional Composer	104	Symbfile	135
Mouse Stampede	126	Professional Type Fonts; Text	121	Symposium General Ledger	100
MouseTracer	139	Professional Type Fonts; Headlines	121	Systemizer	135
Mouse-Trap	139	Profit Projector	112	TALKSHOW	104
Mouse Write	93	Profit Stalker	112	Tax Manager	98
Moustrak	139	Profit Tool	76	Tax Master	98
MSI-1	134	Project-A-Mac	134	TaxPlan Business Plan	128
Multiplan	118	ProPrint	120	TaxPlanner '84-85	128
Music Character Set	104	Public Domain Software	130	Tax-Prep '85	128
Music Shop	104	Pyramid of Peril	126	TaxWizard '84-85	128
MusicType	104	Pythia-Terminer	113	Teach Yourself Multiplan	118
MusicWorks	104	QC10 and QC20	134	Tech	80
My Office	113	Q-Tax	128	TechFonts	118
The Negotiation Edge	112	Quartet; Quartet Templates	106	Tekalike	102
Neon	114	Quick & Dirty Utilities	88	TeleChess	126
NetWare/MAC	108	QuickDisk	88	Telescope	30
NETWAY 1000A	44	QuickPaint	88	TessSystem One	118
NewGammon	126	QuickSet	20	TexSys	90
Nortronics Mouse Cleaning Kit	139	QuickWord	93	Think Fast	97
Number Cruncher Stat Systems	74	Rags To Riches	101	Think Games	126
Numeric Turbo	134	RamStak	134	ThinkTank 128	123
NWA Quality Analyst	74	Rascal	60	ThinkTank 512	22
NWA StatPak	117	RBuilder	114	ThunderScan	135
Oak Disk Cube	139	ReadySetGo	117	TimeBase	113
Odesta Helix	106	Real Estate	117	TK!Solver	118
Okidata Printers	134	Real Estate Investor II	77	TMON	60
OMNINET	47	Real Poker	126	TOPS	110
Omni-Reader	134	The Realtor	117	Totalform	54
OMNIS 2	106	RealWorld Accounting Systems	101	Total Music	38
OMNIS 3	106	Resourceful	52	TPS Electronics	135
OmniTalk	47	RGS File+	42	Trav-L-Case	139
Optimization	52	RGS Softmaker II	42	Triple Play	126
OverVUE 2.0	42	RGS Wright+	94	Trivia	126
PageMaker	108	Ribbons; Color and Heat Transfer	139	Trivia Savant	127
Palantir Financial Series	25	The Right Word	94	TurboCharger	90
The Paper Saver	139	Ring King Products	139	Turbo Turtle	114
ParaServ	108	SAT; GRE; CBA	96	Typing Intrigue	118
Parallel Printer Interface	134	The Sales Edge	111	Typing Made Easy	82
The Pattern Collection Volume 1	38	Scarborough Games	126	Typing Tutor III	123
PC to MAC and BACK	102	The Science Encyclopedia	123	UCSD Pascal Development	114
PC/Privacy	120	Screen Coordinator	114	UltraFonts	123
Penguin Games	126	Scripture Bits	130	Ultra Fonts	80
People In Places	112	Sensorbus Sensor Interface	134	Ultra-Office	110
Personal Accountant	128	Signalman Express	134	Underware Ribbons	127
Pert & Critical Path Techniques	76	Sketch-to-Scale	77	Universal Microcontroller	134
PFS:File and Report	106	The Slide Show Magician	104	Useful BASIC Programs	52
Pinball Construction Set	126	Smartcom II	30	Valiant Turtle	131
The Pixel Artist System	104	SmArtmouse	104	ValueSoft Manager	44
Please	106	SMK GreekKeys	123	Varioform	54
Plot-It	120	SmoothTalker	104	Variomix; Variotrans; Variotext	95
Plots II	87	SoftForms	112	VideoWorks	39
Pneu-Mouse	139	Soft Start—Personal Finance	128	Videx Games	127
PortaAPL	58	Softworks C	114	Viktor Head Cleaning Disk	136
Portfolio Manager	128	SongPainter	104	VINES	110
PreWriter	93	Spinwriter Accessory Kit	120	Visionary 100 And 1200	134
Premier Computer Table	136	Spreadsheet Link	121	Volksmodem 12	134
Presentations	104	Squire	126	Weber & Sons Products	139
Print A File II	120	Star Micronics Printers	134	Webster's Revenge	127
Printer Interface	120	States and Capitals	96	WindoWare Calendar; Phone book	113
Printer Interfaces	87	StatFast	77	Wizardry	127
Printer Optimizer	134	Stationery Starter Set	94	WordPlay	127
The Printer Stand	139	Statistical Analysis	78	WOSbase	110
The Print-Link	120	StatView	78	Writing Skills	123
The Print Shop	38	StatWorks	118	XINET	48
PROCOM-M	102	Straight Talk	101	XL/Serve	110
ProCopy/Edit	120	Stylo-Castoff	78	ZAP!Invoice	25
		Stylo-Estimate	78	Zilog System 8000	110
		StyloPrint-Formatter	90	ZipFinder	44
		StyloType-Formatter	90		
		SUN*MAC Mass Storage Server	48		
		Superex Management Software	118		



# Improve Your Balancing Act.



At last. Personal finance software you can really use. To help you stay on top of your bills. Get a good grasp of your personal financial situation. And save you valuable time.

The Electric Checkbook by State of the Art is bill-oriented to set up and record your bills on a one-time or recurring basis. It gives you the choice of either computer or hand written checks. Working with you and your Macintosh™ the Electric Checkbook can selectively pay who you want, when you want, with the exact amount you want. Quickly and more easily than any other personal finance software.

With the Electric Checkbook, you can log all the activity in your checking accounts with computer accuracy. Perform bank reconciliations automatically. And analyze income and expenses by category. What's more, you can even produce detailed personal financial statements.

And the Electric Checkbook is easy to learn because it takes advantage of all the Macintosh features. Our illustrated, tutorial-style documentation was especially written for the novice user.

Let the Electric Checkbook keep your personal finances in perfect balance. After all, you've got better things to do with your time.



**STATE OF THE ART.**

State of the Art, Inc.  
3191-C Airport Loop  
Costa Mesa, CA 92626  
(714) 850-0111

**Suggested Introductory  
List Price \$79.95**

Circle 55 on Reader Service Card



# How to get the Max out of your MAC

With Tecmar's MacDrive<sup>TM</sup> and new version 2.0 software, your Macintosh can work up to 4 times faster, store up to 38 times more information.

Certainly the Macintosh is a terrific business tool. Simple. Versatile. Functional. But without a MacDrive hard disk mass storage system, your Macintosh simply isn't working up to its maximum potential.

## The MacDrive will never keep you waiting

With a MacDrive, the Macintosh data storage and retrieval functions are accelerated as much as 4 times. You'll load programs faster, save files more quickly. And our unique print spooling feature allows you to continue working even while your printer is running — which means you'll always be functioning at maximum efficiency.

## MacDrive backs you up all the way

Your data storage capacity is limited only by the size of the drive you choose. And, regardless of the size of any given file, you can back it up onto floppy disks. MacDrive will even tell you when it's time to put in a fresh floppy.

## With MacDrive's new software you can divide and conquer

Thanks to a special partitioning feature, MacDrive software lets you divide the MacDrive into separate, manageably sized volumes. For example, our 10 megabyte hard disk system can be broken up into 20 partitions. So you can set up separate categories for your correspondence, presentations, reports, spreadsheets, games and so on. This smaller-scale organization also means your Macintosh will be able to retrieve the files you want more efficiently.

## You'll be up and running in minutes

MacDrive includes all the cables and software you'll need to have the system operating in less than 10 minutes. Just plug in two cords and you're on your way. More good news: MacDrive uses your printer port and comes with its own port for a printer — leaving the modem port free for other important applications.

## You've got four great choices

MacDrive is available in four flexible configurations:

- \*10 megabyte fixed hard disk
- \* 5 megabyte removable hard disk
- \*10 megabyte fixed hard disk plus 5 megabyte removable disk
- \*Two 5 megabyte removable disks

If you'd like to see a Macintosh working to the max, stop in at your nearest Tecmar dealer for a MacDrive demonstration. To find out who that dealer is, call Tecmar at 216/349-1009.



**Tecmar**  
THE POWER BEHIND THE PC

6225 Cochran Road, Solon, Ohio 44139